

मोटार वाहन (निष्कासन व नोंदणी) नियम,
२०२१ची अंमलबजावणी करण्याच्या अनुषंगाने
मार्गदर्शक तत्वे.

महाराष्ट्र शासन

गृह विभाग

शासन निर्णय क्रमांक: एमव्हीआर-०३२१/प्र.क्र.४१/परि-२

मादाम कामा मार्ग, हुतात्मा राजगुरु चौक,

मंत्रालय, मुंबई-४०० ०३२.

दिनांक : १८ जानेवारी २०२३.

वाचा :- केंद्र शासनाच्या दि.२३.०९.२०२१ व दि. १३.०९.२०२२ रोजी मोटार वाहन (निष्कासन व नोंदणी) नियम, २०२१.

प्रस्तावना :

राज्यातील वाहनांचे प्रदूषण कमी करणे, रस्त्यावरील प्रवासी तसेच वाहनांच्या सुरक्षिततेमध्ये वाढ करणे, वाहनांची इंधन कार्यक्षमता सुधारणे, वाहनांवरील देखभाल खर्च कमी करणे तसेच जुन्या वाहनांच्या बदल्यात नवीन वाहने वापरात आणणे व त्यामुळे अर्थव्यवस्थेमध्ये गुणात्मक सुधारणा होण्यासाठी केंद्र शासनाने मोटार वाहन (निष्कासन व नोंदणी) नियम, २०२१ प्रसिध्द केले असून त्यांची अंमलबजावणी करण्याची बाब परिवहन विभागाकडे सोपविण्यात आली आहे. त्यानुसार दिनांक २०.१२.२०२२ रोजी सदर प्रस्ताव मंत्रिमंडळाच्या विचारार्थ सादर केला असता त्यास मंत्रीमंडळाने मान्यता दिली आहे. तदनुषंगाने धोरणाची अंमलबजावणी करण्यासाठी मार्गदर्शक तत्वे (Operational guidelines for setting up of Registered Vehicle Scrapping Facility) परिवहन विभागाकडून निर्गमित करण्याची बाब शासनाच्या विचाराधीन होती.

शासन निर्णय :-

मोटार वाहन (निष्कासन व नोंदणी) नियम, २०२१ राज्यात राबविण्यात येत आहे. सदर धोरणाच्या अनुषंगाने राज्यात अंमलबजावणी करण्यासाठी परिचालनीय मार्गदर्शक सूचना (Operational guidelines for setting up of Registered Vehicle Scrapping Facility) यासोबत निर्गमित करण्यात येत आहेत. (सोबत Annexure-A व परिशिष्ट-अ)

२. सदर मार्गदर्शक सूचनांच्या अनुषंगाने पुढील आवश्यक ती कार्यवाही परिवहन आयुक्त कार्यालयाने तात्काळ करावी.

३. महाराष्ट्र वाहन स्कॅपिंग सुविधा धोरणासाठी मार्गदर्शक सूचना व कार्यपद्धतीबाबतचा शासन निर्णय महाराष्ट्र शासनाच्या www.maharashtra.gov.in या संकेत स्थळावर उपलब्ध करण्यात आला असून त्याचा संकेतांक २०२३०११८१५२००७९९२९ असा आहे. हा आदेश डिजीटल स्वाक्षरीने साक्षांकित करुन काढण्यात येत आहे.

महाराष्ट्राचे राज्यपाल यांच्या आदेशानुसार व नावाने.

(भि. ओ. ठाकूर)
कार्यासन अधिकारी, गृह विभाग

प्रत,

१. मा. राज्यपाल यांचे प्रधान सचिव, राजभवन, मुंबई.
२. मा. मुख्यमंत्री यांचे अपर मुख्य सचिव, मंत्रालय, मुंबई-३२.
३. मा. उप मुख्यमंत्री यांचे सचिव, मंत्रालय, मुंबई-३२.
४. मा. मंत्री उद्योग यांचे खाजगी सचिव, मंत्रालय, मुंबई-३२.
५. मा. मंत्री उर्जा यांचे खाजगी सचिव, मंत्रालय, मुंबई-३२.
६. मा. मंत्री, पर्यावरण व वातावरणीय बदल यांचे खाजगी सचिव, मंत्रालय, मुंबई-३२.
७. मा. मंत्री, कौशल्य व उद्योजकता यांचे खाजगी सचिव, मंत्रालय, मुंबई-३२.
८. मा. सभापती, विधान परिषद यांचे सचिव, विधान भवन, मुंबई.
९. मा. अध्यक्ष, विधान सभा, यांचे सचिव, विधान भवन, मुंबई.
१०. मा. विरोधी पक्ष नेता, विधान सभा यांचे खाजगी सचिव, विधान भवन, मुंबई.
११. मा. विरोधी पक्ष नेता, विधान परिषद यांचे खाजगी सचिव, विधान भवन, मुंबई.
१२. सर्व विधान मंडळ सदस्य, विधान भवन, मुंबई.
१३. मा. मुख्य सचिव, मंत्रालय, मुंबई-३२.
१४. अपर मुख्य सचिव, परिवहन विभाग, मंत्रालय, मुंबई-३२.
१५. अपर मुख्य सचिव (नवि-१), नगरविकास विभाग, मंत्रालय, मुंबई-३२.
१६. प्रधान सचिव, उद्योग विभाग, मंत्रालय, मुंबई-३२.
१७. प्रधान सचिव (नवि-२), नगर विकास विभाग, मंत्रालय, मुंबई-३२.
१८. प्रधान सचिव, नियोजन विभाग, मंत्रालय, मुंबई-३२.
१९. प्रधान सचिव, कौशल्य विकास व उद्योजकता विभाग, मंत्रालय, मुंबई-३२.
२०. प्रधान सचिव, पर्यावरण व वातावरणीय बदल विभाग, मंत्रालय, मुंबई-३२.
२१. सचिव, वित्त (व्यय) विकास विभाग, मंत्रालय, मुंबई-३२. २३.
२२. सचिव, उर्जा विभाग, मंत्रालय, मुंबई-३२.
२३. महालेखापाल, महाराष्ट्र राज्य, मुंबई / नागपूर.

२४. निवासी लेखा परिक्षा अधिकारी, मुंबई.
२५. अध्यक्ष, महाराष्ट्र प्रदूषण नियंत्रण मंडळ, मुंबई.
२६. सर्व विभागीय आयुक्त.
२७. सर्व जिल्हाधिकारी.
२८. सर्व महानगरपालिका आयुक्त,
२९. सर्व मुख्य कार्यकारी अधिकारी, जिल्हा परिषद,
३०. सह सचिव (परिवहन- १, ३ व ४)
३१. सर्व मंत्रालयीन विभाग, मंत्रालय, मुंबई-३२.
३२. निवडनस्ती.

Annexure A

Guidelines for Maharashtra Vehicle Scrapping Facility Policy

This document provides the guidelines for interested applicants to apply for Registration License and Operate the Registered Vehicle Scrapping Facility in the state of Maharashtra. This Guideline is required to be read along with G.S.R. 653(E) - Motor Vehicles (Registration and Functions of Vehicle Scrapping Facility) Rules, 2021 dated 23 September 2021, G.S.R. 695(E) - Motor Vehicles (Registration and Functions of Vehicle Scrapping Facility) Amendment Rules, 2022 dated 13 September, 2022, and, Maharashtra Vehicle Scrapping Policy for Concession in motor vehicle tax as amended from time to time.

A. RVSF Registration Procedure and Requirements:

Applicants shall adhere to all the terms, conditions, guidelines and requirements etc. of the G.S.R. 653(E) - Motor Vehicles (Registration and Functions of Vehicle Scrapping Facility) Rules, 2021 dated 23 September 2021, G.S.R. 695(E) - Motor Vehicles (Registration and Functions of Vehicle Scrapping Facility) Amendment Rules, 2022 dated 13 September, 2022 and Maharashtra Vehicle Scrapping Policy for Concession in motor vehicle tax as amended from time to time

1. The State of Maharashtra will applications for RVSF from the date of issue of the notification, in Form-1 as per the said G.S.R. 653 (E) on Central Government's National Single Window Portal.
2. Applicant shall have land in Orange Category, either owned or leased in accordance with G.S.R. 653 (E).
3. For the purpose of adequate land requirement as specified in Clause 5 (h) of the G.S.R. 653 (E), the applicant shall have minimum land as defined below:

Two / Three Wheeler, Light, Medium and Heavy Motor Vehicles etc: Two Acres.

The width of road should be minimum of 7 meters for smooth movement of vehicles to the scrapping yards with adequate parking space.

4. The Registered Vehicle Scrapping Facility may be owned and operated by any legal entity, be it a person, firm, society, Company, trust, or consortium of the entities (maximum 3 entities), established in accordance with law having the documents mentioned in the said G.S.R 653 (E) and its amendments from time to time, along with below mentioned additional requirements:
 - a. **Net worth:** The **applicant (at least one member in case of consortium)** should have positive net worth as per the audited consolidated financial statements as on 31st March of the previous Financial Year as on the date of the application.
 - b. **Turnover:** The **Applicant (at least one member in case of consortium)** should be a profitable company and having an average annual turnover as specified below

- i. For **Two / Three-Wheeler, Light, Medium and Heavy Motor Vehicles:** minimum INR 20 Crore, of which minimum INR 2 Crore should be from the 'similar business', in India, in last three Financial Years as on date of the application.

For the purpose of this clause, 'Similar Business' means manufacturing or scrapping of motor vehicle or its spare parts (such as Engines, batteries, Tyres, Alternators, starters, Steering, Suspension, Seats & upholstery etc.), metal scrapping mainly of iron or aluminum or shipbreaking business.

(Certificate from the Statutory Auditor / Chartered Accountant and Copy of Audited Financial Statements shall be submitted along with the application)

5. During such period, the applicant shall be required to make the payment towards processing fee and earnest money deposit through following modes
 - a. **Processing Fee:** non refundable processing fee in the form of DD in the favour of "Transport Commissioner, Maharashtra State, Mumbai" submitted to the Registering Authority along with the application for the amount of Rs 1,00,000/- (Rupees One Lakh only) as prescribed in the said G.S.R. 653 (E). date 23rd September 2021.
 - b. **EMD:** in the form of irrevocable Bank Guarantee as per the Format provided as Annexure to this Guideline for the amount of Rs 10,00,000/- (Rupees Ten Lakhs) and validity (co-terminus Registration License Validity) as prescribed in the said G.S.R. 653 (E). The EMD shall be in the favour of "Transport Commissioner, Maharashtra State, Mumbai" issued by a Nationalized or Scheduled Bank having Head Office in India.

6. Application Submission:

- a. Form-1 as per G.S.R. 653 (E) with all required documents & approvals, Processing Fee and EMD.
 - b. For the Purpose of these Rules published vide G.S.R 653 (E), the Registering Authority and Appellate Authority as per Clause 3 (1) (b) and Clause 3 (1) (l) for the state of Maharashtra shall be as follows:
 - i. **Registering Authority:** Transport Commissioner, Maharashtra
 - ii. **Appellate Authority:** Additional Chief Secretary / Principal Secretary Transport, Government of Maharashtra.
 - c. **In case of any queries the applicant shall contact Transport's Commissioner Office**
MTNL - Fountain 2 Building, 5th Floor, M.G. Road, Fort, Mumbai – 400 001.
 - d. **Contact number:** 022-22614721 / 22
 - e. **Timing:** Maharashtra working days between 10 am and 6 pm.
7. A minimum value of each vehicle model and age of vehicle shall be displayed on the website of the respective RVSF, link to be made available on Maharashtra Transport Department website.

Further the value of the scrapped vehicle shall be as per what is negotiated and agreed between the RVSF and the registered owner or the authorized representative.

8. The State Government of Maharashtra having regard to number of vehicles registered in a particular District / Revenue Division reserves the right to restrict number of RVSF in a particular District / Revenue Division in the State of Maharashtra.

B. Vehicle Scrapping and de-registration Procedure:

1. In accordance with the G.S.R. 653 (E) dated 23 September 2021 and G.S.R. 695 (E) dated 13 September, 2022, the RVSF established in Maharashtra may accept and scrap the vehicles registered in any other states or Union territory, however in order to avail incentives / claim benefits as notified by the Government of Maharashtra, the RVSF shall ensure that the following conditions are satisfied in order to avail incentives:
 - i. The Vehicle which is deposited for scrap shall comply the conditions notified in the above referred GR.
 - ii. Certificate of Deposit shall be issued by RVSF registered with Government of Maharashtra.
2. **Government Vehicles:** The Ministry of Road Transport and Highways, Government of India vide its letter dated 17 December 2022, has directed that e-auction of all the Government owned vehicles shall be done through MSTC (Metal Scrap Trade Corporation Ltd.) Portal. In accordance with the same, all the Government of Maharashtra (State Government, Local Bodies, Local Self Government etc.) vehicles which are older than 15 years are required to be auctioned through MSTC portal only. Such e-auction shall be done through Maharashtra registered RVSF only. For all such vehicles, the scrap value of scrapped vehicle will be credited towards the account head of the Motor Vehicles Department - **800, Other Receipts (00)(00) (01) Other Receipts (00410041)** after clearance of due taxes and penalty (under Maharashtra Motor Vehicle Tax Act, 1958, and Maharashtra Motor (Passenger Tax) Act, 1958) and fines (under Motor Vehicles Act, 1988) as applicable.
3. Vehicles which have attained End of Life and found plying or parked in public place and / or abandoned in public place as junk vehicles and / or impounded by any Enforcement or any Government Agency shall not be released to the registered owner and the same shall be handed over to the custody of a Registered Vehicle Scrappage Facility in the state of Maharashtra, by the enforcement agencies.
 - a. If the vehicle is claimed by the registered owner, the registered owner is entitled to get the balance scrap value of scrapped vehicle after clearance of due taxes and penalty (under Maharashtra Motor Vehicle Tax Act, 1958, and Maharashtra Motor (Passenger Tax) Act, 1958) and fines (under Motor Vehicles Act, 1988) as applicable.
 - b. In case, the vehicle is not claimed by the registered owner or the owner is declared as non - traceable by the concerned Government agency, then the scrap value of scrapped vehicle will be credited towards the account head of the Motor Vehicles Department – **102, Receipts under State Motor Vehicle Taxation Act (01) Receipts under State Motor Vehicle Taxation Act, (01)(01) State Motor**

Vehicles Taxation Act, (00410097), after clearance of due taxes and penalty (under Maharashtra Motor Vehicle Tax Act, 1958, and Maharashtra Motor (Passenger Tax) Act, 1958) and fines (under Motor Vehicles Act, 1988) as applicable.

4. Provided further that the Certificate of Deposit in respect of Government Vehicles which are exempted from MV Tax and unclaimed vehicles auctioned by the (State / Central) Government shall not be tradable and such Certificate of Deposit shall not be used for claiming any waiver / concession under the Motor Vehicles Tax.
 5. Photograph and video clip of the vehicle undergoing the scrapping process shall be maintained and retained in the format prescribed by Transport Department for a period of 7 years from the date of completion of Treatment.
 6. In case the record of the vehicle which is being scrapped is not available on the Vahan Portal, the last Registering Authority shall digitize the vehicle record through backlog entry on Vahan Portal and then the same shall be de-registered through RVSF. The RVSF to ensure that the vehicles registered in state of Maharashtra are digitized on Vahan Portal.
 7. The Certificate of Deposit shall be tradeable and once utilised shall be collected by the agency or dealer providing the benefits to the holder of the said certificate as per G.S.R. 653 (E), Clause 10 (xiii).
 8. On submission of digital Certificate of Vehicle Scrapping by the Registered Vehicle Scrapping Facility (RVSF) the concerned Registering Authority in State of Maharashtra (RTO/Dy RTO) shall deregister the vehicle.
- C. The Scrapping Yard and Collection Centre of RVSF shall ensure that removal or recycling or disposal of hazardous parts of the scrapped vehicle is done as per CPCB guidelines for Environmentally Sound Management of End-of-Life Vehicles and AIS-129. The AIS-129 is attached as Appendix I to this guideline.
- D. In case where the incentives are claimed for the Electric Vehicles against the submission of "Certificate of Deposit", the relevant incentives shall be applicable as per the prevailing taxes for Electric Vehicles in the state as per Maharashtra Electric Vehicle Policy, 2021.

This Guidelines is issued for the benefit of the interested applicants and other stakeholders. In case of any ambiguities or discrepancies between this guideline, AIS-129 and the G.S.R 653 (E) (as amendment from time to time), the provisions of the G.S.R. 653 (E) shall prevail over AIS-129 and AIS-129 will prevail over this guideline, save and except as expressly provided otherwise in this guideline, for the purpose of legal interpretation.

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परिशिष्ट-अ

महाराष्ट्र वाहन निष्कासन सुविधा धोरण विषयक मार्गदर्शक सूचना

महाराष्ट्र राज्यात वाहन निष्कासित करण्याच्या सुविधेची नोंदणी करण्यासाठी, तसेच सदर सुविधा परीचालीत करण्यासाठी इच्छुक व्यावसायिकांना त्यासाठीची अनुज्ञप्ती प्राप्त करण्यासाठीचे मार्गदर्शक सूचना सदर दस्तऐवजात जारी करण्यात आल्या आहेत. सदर मार्गदर्शक सूचना या दिनांक २३ सप्टेंबर २०२१ रोजीच्या जी.एस.आर. नियम ६५३(इ) – स्वयंचलित वाहने (वाहन निष्कासन सुविधेची नोंदणी व कर्तव्ये) नियम २०२१, दिनांक १३ सप्टेंबर २०२२ रोजीच्या जी.एस.आर. नियम ६९५ (इ) – स्वयंचलित वाहने (वाहन निष्कासन सुविधेची नोंदणी व कर्तव्ये) नियम २०२२ व महाराष्ट्र स्वयंचलित वाहने कर व रहदारी नियमावली उल्लंघनात सवलतीसाठी वाहने निष्कासित करण्याचे धोरण , यामध्ये वेळोवेळी केलेल्या दुरुस्त्यांच्यासह विचारात घेणे अपेक्षित आहे.

अ) नोंदणीकृत वाहन निष्कासन सुविधेची नोंदणी प्रक्रिया व अर्हता :

दिनांक २३ सप्टेंबर, २०२१ रोजीच्या जी.एस.आर. नियम ६५३(इ)- स्वयंचलित वाहने (वाहन निष्कासन सुविधेची नोंदणी व कर्तव्ये) नियम २०२१, दिनांक १३ सप्टेंबर २०२२ रोजीच्या जी.एस.आर. नियम ६९५ (इ) – स्वयंचलित वाहने (वाहन निष्कासन सुविधेची नोंदणी व कर्तव्ये) नियम २०२२ व महाराष्ट्र स्वयंचलित वाहने कर व रहदारी नियमावली उल्लंघनात सवलतीसाठी वाहने निष्कासित करण्याचे धोरण , यामध्ये विहित सर्व अटी, शर्ती , मार्गदर्शक सूचना व अर्हतेचे अर्जदारांनी पालन करणे आवश्यक आहे.

१. सदर अधिसूचनेच्या प्रकाशित होण्याच्या दिनांकापासून केंद्र शासनाचे राष्ट्रीय एक खिडकी संस्थळ कार्यरत होईपर्यंतच महाराष्ट्र राज्य सदर जी.एस.आर. नियम ६५३ (इ) नुसार नोंदणीकृत वाहन निष्कासन सुविधा आवेदन अर्ज १ नमुन्यातील अर्ज प्रत्यक्ष स्वरूपात स्वीकारेल.

२. जी.एस.आर. नियम ६५३ (इ) नुसार अर्जदाराची सदर जमीन नारिंगी श्रेणीतील स्वमालकीची अथवा भाडेपट्ट्यावर घेतलेली असावी.

३. सदर जी.एस.आर. नियम ६५३ (इ) मधील परिच्छेद ५ (ह) मध्ये नमूद पर्याप्त जमिनीच्या प्रयोजनार्थ अर्जदाराकडे खालील परिभाषेनुसार किमान जमीन असणे आवश्यक आहे
दुचाकी / तिचाकी , हलकी, मध्यम व जड स्वयंचलित वाहने इत्यादी – दोन एकर निष्कासन आवारात वाहनांची सुलभपणे ये जा होण्यासाठी वाहनतळाच्या पर्याप्त जागेसह रस्त्याची किमान रुंदी ७ मीटर असावी.

४. सदर जी.एस.आर. नियम ६५३ (इ) मध्ये नमूद व त्यामध्ये वेळोवेळी केलेल्या दुरुस्त्यांनुसार आवश्यक दस्तऐवज तसेच खालील नमूद अटीची पूर्तता करणाऱ्या व्यक्ती, कायद्यातील तरतुदीनुसार स्थापित संस्था, कंपनी, न्यास किंवा संस्थेचे संघ (जास्तीत जास्त ३ घटक) सदर नोंदणीकृत वाहन निष्कासन सुविधा यांच्याकडे सदर सुविधेची मालकी व परिचालन असू शकेल.

अ) निव्वळ मूल्य : अर्ज सादर करण्याच्या दिवशी, मागील वित्तीय वर्षाच्या दिनांक ३१ मार्च रोजीच्या लेखापरीक्षित एकत्रित वित्तीय विवरणानुसार अर्जदाराचे (संघाच्या बाबतीत कोणत्याही एका सभासदांचे) निव्वळ मूल्य धनात्मक असणे आवश्यक आहे.

ब) उलाढाल : अर्जदार (संघाच्या बाबतीत कोणत्याही एका सभासदांचे) नफा प्राप्त करणारी कंपनी असावी ज्याची वार्षिक उलाढाल खालीलप्रमाणे असेल.

१) दुचाकी/तीन चाकी, हलके, मध्यम व जड मोटार वाहन: किमान रु २०.०० कोटीची उलाढाल ज्यापैकी किमान रु ०२.०० कोटी उलाढाल ही अर्ज करण्याच्या दिनांकास मागील तीन वित्तीय वर्षांमध्ये असेल.

या नियमावलीच्या प्रयोजनार्थ समकक्ष व्यवसाय म्हणजे भारतातील स्वयंचलित वाहने किंवा त्यांचे (इंजिने, विजेरी, तयार, प्रत्यावर्तित्र, प्रारंभक, सुकाणू, निलंब, सज्जासाहित्य , बैठका) असे सुटे भाग, ई कचरा पुनर्चक्रण, प्लास्टिक पुनर्चक्रण, काचेचे पुनर्चक्रण, धातूच्या भंगाराचा किंवा जहाज तोडणी उद्योगातून प्राप्त केलेली असावी. (वैधानिक लेखापरीक्षक / सनदी लेखाकार यांचेकडून प्राप्त प्रमाणपत्र व लेखापरीक्षित वित्तीय विवरणांची प्रत अर्जासोबत सादर करणे आवश्यक आहे)

५. सदर कालावधीत अर्जदाराने प्रक्रिया शुल्क व बयाणा रक्कम खालील पद्धतीने भरणा करणे आवश्यक आहे

अ) प्रक्रिया शुल्क : दिनांक २३ सप्टेंबर २०२१ रोजी जारी सदर जी.एस.आर. नियम ६५३ (ई) नुसार विहित परत न करण्यायोग्य प्रक्रिया शुल्कापोटी रु १००००० (रुपये एक लाख फक्त) रकमेचा परिवहन आयुक्त, महाराष्ट्र राज्य मुंबई यांचे नावे धनाकर्ष अर्जासोबत नोंदणी प्राधिकारी यांचेकडे सादर करणे आवश्यक आहे.

ब) बयाणा रक्कम : सदर जी.एस.आर. नियम ६५३ (ई) नुसार विहित रु १०,००,००० /- (रुपये दहा लाख फक्त) रक्कम व वैधता (नोंदणी परवाना वैधता सह-समाप्ती) असलेली सदर मार्गदर्शक सूचनांच्या जोडपत्रात विहित नमुन्यानुसार रद्द न करता येण्याजोग्या बँक हमीच्या स्वरूपात . सदर बयाणा रकमेची ठेव ही भारतात मुख्यालय असलेल्या राष्ट्रीयीकृत किंवा अनुसूचित बँकेने परिवहन आयुक्त, महाराष्ट्र राज्य मुंबई यांचे नावे जारी करणे आवश्यक आहे.

६) अर्ज सादर करणे :

अ) जी.एस.आर. नियम ६५३ (इ) नुसार विहित नमुना १ सह आवश्यक ते सर्व दस्तऐवज,

मंजूरी प्रक्रिया शुल्क व बयाणा रक्कम

ब) जी.एस.आर. नियम ६५३ (इ) नुसार प्रकाशित सदर नियमांच्या प्रयोजनार्थ परिच्छेद

३ (१) (ब) व ३ (१) (१) नुसार महाराष्ट्र राज्यासाठी नोंदणी प्राधिकरण व अपिलीय प्राधिकरण खालील प्रमाणे असतील

१. नोंदणी प्राधिकरण : परिवहन आयुक्त , महाराष्ट्र राज्य , मुंबई

२. अपिलीय प्राधिकरण : अपर मुख्य सचिव / प्रधान सचिव , परिवहन , महाराष्ट्र शासन

क) काही शंका असल्यास अर्जदारांनी परिवहन आयुक्त महाराष्ट्र राज्य यांचे कार्यालय,

महानगर टेलिफोन निगम लिमिटेड कारंजे, ५वा मजला, महात्मा गांधी मार्ग,

मुंबई ४०० ००१ यांचेकडे संपर्क करावा .

ड) संपर्क क्रमांक – ०२२ – २२६१४७२१ / २२

इ) वेळ : कार्यालयीन कामकाजाच्या दिवशी सकाळी १० : ०० ते सायंकाळी ०६ : ०० पर्यंत

७. प्रत्येक नोंदणीकृत वाहने निष्कासन सुविधेमध्ये प्रत्येक वाहनाच्या प्रारूप व वर्षातील वयानुसार किमान मूल्य आपल्या संकेतस्थळावर प्रदर्शित करेल व त्याची जोडणी महाराष्ट्र परिवहन विभागाच्या संकेतस्थळावर उपलब्ध करून देणे आवश्यक आहे.

तसेच निष्कासित वाहनाचे मूल्य हे नोंदणीकृत वाहन निष्कासन सुविधा व वाहनाचे नोंदणीकृत मालक किंवा त्यांच्या प्राधिकृत प्रतिनिधीच्या दरम्यान वाटाघाटी होऊन सहमती झालेले मूल्य असेल.

८. एखाद्या विशिष्ट जिल्हा / महसुली विभागात नोंदणी झालेल्या वाहनांच्या संख्येचा विचार करून राज्य शासन महाराष्ट्र राज्यातील विशिष्ट जिल्हा / महसुली विभागात नोंदणीकृत वाहन निष्कासन सुविधांची संख्येवर निर्बंध घालण्याचा अधिकार राखून ठेवीत आहे.

ब) वाहन निष्कासन व निनोंदणीकरणाची प्रक्रिया :

१. दिनांक २३ सप्टेंबर २०२१ व दिनांक १३ सप्टेंबर २०२२ रोजीच्या सर्वसामान्य सुरक्षा नियमावली नुसार महाराष्ट्रात स्थापित नोंदणीकृत वाहन निष्कासन सुविधेने कोणत्याही राज्य किंवा केंद्रशासित प्रदेशात नोंदणी झालेली वाहने निष्कासित करण्यासाठी स्वीकारावीत. मात्र महाराष्ट्र शासनाने अधिसूचित केलेल्या सवलती व लाभ घेण्यासाठी सदर नोंदणीकृत वाहन निष्कासन सुविधेने खालील अटींची पूर्तता करणे आवश्यक आहे :

अ) निष्कासन करण्यासाठी सादर करण्यात आलेले वाहन हे उपरोक्त नमूद शासन निर्णयातील अधिसूचित अटींचे पालन करणारे असावे.

ब) महाराष्ट्र शासनाकडे नोंदणी झालेल्या नोंदणीकृत वाहन निष्कासन सुविधेने वाहन सादर झाल्याचे प्रमाणपत्र जारी करणे आवश्यक आहे.

२. शासकीय वाहने : शासकीय मालकीच्या सर्व वाहनांचा इ – लिलाव हा धातू भंगार व्यापार महामंडळाच्या (Metal Scrap Trade Corporation Ltd.) संस्थळाच्या मार्फत करण्याचे निर्देश भारत सरकारच्या रस्ते वाहतूक व महामार्ग मंत्रालयाने त्यांच्या दिनांक १७ डिसेंबर २०२२ रोजीच्या पत्राद्वारे दिले आहेत. त्यानुसार महाराष्ट्र शासनच्या मालकीच्या (राज्य शासन, स्थानिक संस्था, स्थानिक स्वशासित संस्था इत्यादी) १५ वर्षांपेक्षा जुन्या वाहनांचा ई- लिलाव धातू भंगार व्यापार महामंडळाच्या संस्थळाच्या मार्फतच होईल. महाराष्ट्र राज्यात नोंदणी झालेल्या नोंदणीकृत वाहन निष्कासन

सुविधेमार्फत होणे आवश्यक आहे. सदर सर्व निष्कासित झालेल्या वाहनांचे पोटी (महाराष्ट्र स्वयंचलित वाहने कर अधिनियम १९५८ व महाराष्ट्र मोटार (प्रवासी कर) अधिनियम १९५८ नुसार) शास्ती व (मोटार वाहन अधिनियम १९८८ नुसार) दंड वसूल केल्यानंतर उर्वरित निष्कासन मूल्य हे मोटार वाहन विभाग – 800, Other Receipts (00)(00) (01) Other Receipts (00410041) मध्ये जमा करण्यात येईल.

३. ज्या वाहनांचे आयुष्य संपले असूनही ती सार्वजनिक ठिकाणी फिरत किंवा सोडून दिले असल्याचे आढळल्यास किंवा अंमलबजावणी / शासकीय अभिकरणाने जप्त केलेली वाहने त्यांच्या नोंदणीकृत मालकाला न सोपविता अंमलबजावणी अभिकरणाने महाराष्ट्र राज्याच्या परिवहन खात्याकडे नोंदणी झालेल्या अधिकृत नोंदणीकृत वाहन, निष्कासकाच्या ताब्यात दिल्या पाहिजेत.

अ) महाराष्ट्र स्वयंचलित वाहन कर अधिनियम १९५८ व महाराष्ट्र स्वयंचलित वाहन (प्रवासी कर) अधिनियम १९५८ व स्वयंचलित वाहन अधिनियम १९८८ नुसार कोणतीही दंडाची किंवा कराची रक्कम सदर वाहनाकडून देय नसल्याची खातरजमा झाल्यावर निष्कासित वाहनाच्या निष्कासन मूल्याची रक्कम मिळण्यास नोंदणीकृत मालक पात्र असेल.

ब) नोंदणीकृत मालकाने वाहनावर दावा न केल्यास किंवा मालक शोधण्यायोग्य नसल्याचे घोषित झाल्यास सदर वाहनापोटी महाराष्ट्र राज्यात नोंदणी झालेल्या वाहन निष्कासन सुविधेमार्फत होणे आवश्यक आहे. सदर सर्व निष्कासित झालेल्या वाहनांचे पोटी (महाराष्ट्र स्वयंचलित वाहने कर अधिनियम १९५८ व महाराष्ट्र मोटार (प्रवासी कर) अधिनियम १९५८ नुसार) शास्ती व (मोटार वाहन अधिनियम १९८८ नुसार) दंड वसूल केल्यानंतर उर्वरित निष्कासन मूल्य हे मोटार वाहन विभाग –102, Receipts under State Motor Vehicle Taxation Act (01) Receipts under State Motor Vehicle Taxation Act, (01)(01) State Motor Vehicle TGaxation Act, (00410097) मध्ये जमा करण्यात येईल.

४. शिवाय असे की मोटार वाहन करातून सूट प्राप्त शासकीय वाहनांचे व (केंद्र / राज्य शासनाने) लिलाव केलेल्या अधिकार दावित न केलेल्या वाहनांचे जमा प्रमाणपत्र व्यापारयोग्य असणार नाही व

मोटर वाहन अधिनियमाच्या अंतर्गत कोणत्याही प्रकारच्या सवलत / माफी दावित करण्यासाठी सदर जमा प्रमाणपत्राचा उपयोग करता येणार नाही.

५. निष्कासन प्रक्रियेतून गेलेल्या वाहनाचे छायाचित्र व दृक्चित्रण हे परिवहन विभागाने विहित केलेल्या नमुन्यात सदर प्रक्रिया पूर्ण केल्याच्या दिनांकापासून सात वर्षांच्या कालावधीपर्यंत जपून ठेवणे आवश्यक आहे.

६. निष्कासित होणाऱ्या वाहनाच्या नोंदी वाहन संस्थळावर उपलब्ध नसल्यास शेवटच्या नोंदणी प्राधिकरणाने वाहन संस्थळावर अनुशेष नोंदीद्वारे सदर वाहनाच्या नोंदीचे अंकीकरण करून नोंदणीकृत वाहन निष्कासन सुविधेद्वारे सदर वाहनाचे निर्नोदणीकरण करणे आवश्यक आहे. महाराष्ट्र राज्यात नोंदणी झालेल्या वाहनांच्या नोंदी वाहन संस्थळावर अंकीकृत झाल्याची खातरजमा नोंदणीकृत वाहन निष्कासन सुविधेने करून घेतली पाहिजे.

७. जी.एस.आर. नियम ६५३ (इ) मधील परिच्छेद १० (१३) नुसार सदर जमा प्रमाणपत्र व्यापारयोग्य असेल व एकदा त्याचा वापर झाल्यावर सदर प्रमाणपत्राचं धारकाला लाभ देणाऱ्या अभिकरण किंवा विक्रेत्याने ते संकलित करणे आवश्यक आहे.

८. नोंदणीकृत वाहन निष्कासन सुविधा यांनी वाहन निष्कासनाचे अंकीय प्रमाणपत्र सादर केल्यावर महाराष्ट्र राज्यातील संबंधित प्रादेशिक परिवहन अधिकारी / उप प्रादेशिक परिवहन अधिकाऱ्यातून नोंदणी झालेल्या वाहनांचे निर्नोदणीकरण करण्यात .

क) केंद्रीय प्रदूषण नियंत्रण मंडळाच्या आयुष्यमान समाप्त झालेल्या वाहनांच्या पर्यावरणदृष्ट्या उचित व्यवस्थापनासाठी जारी मार्गदर्शक सूचना व अखिल भारतीय मानके १२९ (AIS-129) नुसार निष्कासित वाहनाच्या धोकादायक सुट्या भागांची काढणी, किंवा पुनर्चक्रण किंवा विल्हेवाट लावण्याची खबरदारी नोंदणीकृत वाहन निष्कासन सुविधेच्या निष्कासन विभाग व संकलन केंद्राने घेणे आवश्यक आहे. (सोबत (AIS-129) ची प्रत जोडली आहे.)

ड) जमा प्रमाणपत्राच्या आधारे इलेक्ट्रिक वाहनांसाठी प्रोत्साहन सवलत दावित केली असल्यास महाराष्ट्र इलेक्ट्रिक वाहन धोरण २०२१ नुसार राज्यातील इलेक्ट्रिक वाहनांवरील विहित कर लागू होतील.

सदर मार्गदर्शक सूचना इच्छुक अर्जदार व अन्य हितसंबंधियांच्या लाभार्थ जारी केल्या आहेत. सदर मार्गदर्शक सूचना, अखिल भारतीय मानके-१२९ (AIS-129) व (वेळोवेळी सुधारित) जी.एस.आर. नियम ६५३ (इ) यामधील मजकुरात अथवा तरतुदीत विसंगती आढळून आल्यास, अन्यथा सुव्यक्त तरतुदी वगळता कायदेशीर अर्थउकलीच्या प्रयोजनार्थ सर्वसाधारण सुरक्षा नियम ६५३ (इ) मधील तरतुदी या अखिल भारतीय मानके – १२९ (AIS-129) मधील तरतुदीवर अभिभावी असतील.

Amendment No 1 (11/2021)
To
AIS - 129: End-of-Life Vehicles

1.0 Part 1

Substitute following text for existing text:

PART –1

Collection and Dismantling of End-of-Life Vehicles

1.0 SCOPE

AIS-129 (Part 1) shall apply to all categories of vehicles and their last registered owners, Automobile collection centres, Automotive Dismantling, Scrapping and Recycling Facilities and recyclers of all types of automotive waste products.

2.0 REFERENCE

G.S.R. 653 (E) dated 23rd September 2021.

3.0 DEFINITIONS

For the purpose of this Part of the standard following definitions shall apply.

- 3.1 **“Act”** means the Motor Vehicles Act, 1988 (59 of 1988);
- 3.2 **“Certificate of Deposit”** means the certificate issued by the Registered Vehicle Scrapping Facility to recognize the transfer of ownership of the vehicle from the registeredowner to the Registered Scrapper for further treatment.
- 3.3 **“Certificate of Vehicle Scrapping”** means the certificate issued by an Registered Vehicle Scrapping Facility to recognize the final disposal of a vehicle.
- 3.4 **“Collection Centre”** means a facility or an area that may be used for the sole purpose of collecting and storing the End of Life Vehicles and sending it for further processing at the Scrapping Yard;
- 3.5 **“End-of-Life Vehicles”** means all vehicles which are no longer validly registered or declared unfit through Automated Fitness Centres or their registrations have been cancelled under Chapter IV of the Act or due to an order of a Court of Law or are self-declared by the legitimate registered owner as a waste vehicle due to any circumstances as specified in these rules;
- 3.6 **“Final Disposal”** means the treatment of the vehicle so that the vehicle is no longer capable of being used as such, the evidence for which is the cut out of the Chassis and the disposal of its engine;

- 3.7 **“Recycling”** means the reclamation and processing of waste in an environmentally sound manner for the original purpose or other
- 3.8 **“Registered owner of an End of Life Vehicle”** means, -
- (i) owner of the vehicle as defined in clause (30) of section 2 of the Act; or
- (ii) person who has gained ownership of the vehicle in a public auction in accordance with rule 57 of the Central Motor Vehicle Rules, 1989;
- 3.9 **“Registered Scrapper”** means a person, firm, society, trust or company owning and operating a Registered Vehicle Scrapping Facility
- 3.10 **“Registered Vehicle Scrapping Facility (RVSF)”** means any establishment which holds a ‘Registration for Vehicle Scrapping’ issued under Motor Vehicles (Registration and Functions of Vehicle Scrapping Facility) Rules, 2021, for carrying out dismantling and scrapping operations.
- 3.11 **“Registration Authority”** means the officer not below the rank of the Commissioner (Transport) as designated by the Government of the State or Union territory for this purpose;
- 3.12 **“Scrapping”** means the entire process from receipt and record of the End-of-Life Vehicles’ including depolluting, dismantling, segregation of material, safe disposal of non-reusable parts, and issuance of ‘Certificate of Vehicle Scrapping’ to the registered owner of a motor vehicle.
- 3.13 **“Scrapping yard”** means the designated location within the premises of the Registered Vehicle Scrapping Facility where End-of-life vehicles are processed for further treatment including recycling.
- 3.14 **“Treatment”** means any activity after the End-of-life vehicle has been handed over to a collection centre of an Registered Vehicle Scrapping Facility for depollution, dismantling, shearing, shredding, recovery or preparation for disposal of the shredder wastes, and any other operation carried out for the recovery or disposal of the End-of-life vehicle and its components;
- 3.15 **“Vehicle”** means a motor vehicle or vehicle as defined in clause (28) of section 2 of the Act.
- 4.0 POWERS AND DUTIES OF REGISTERED VEHICLE SCRAPPING FACILITY**
- 4.1 The Registered Vehicle Scrapping Facility shall be provided connectivity and access to the VAHAN database of vehicle registration with password protected user ID and shall be authorized to make suitable entries regarding scrapping of the vehicle and issuance of Certificate of Deposit and Certificate of Scrapping, either directly or through their collection centre.

- 4.2 The Registered Vehicle Scrapping Facility must have necessary cyber security certifications for the IT Systems for safe access to the VAHAN database.
- 4.3 The Registered Vehicle Scrapping Facility shall be provided the necessary connectivity to verify the records of the vehicles produced for scrapping with the database of the stolen vehicles, held by National Crime Records Bureau as well with the local Police. It would be obligatory on the part of the Registered Vehicle Scrapping Facility to carry out such verification before scrapping a vehicle.
- 4.4 The Registered Vehicle Scrapping Facility shall undertake verification of the persons handing over the vehicle for scrapping to determine the bonafide of the vehicle owner or his authorized representative and retain a copy of the same for record for a minimum period of six months.
- 4.5 The Registered Vehicle Scrapping Facility shall be recognized as Facilitation Centre as per clause (cd) of rule 2 of the Central Motor Vehicles Rules, 1989 for Registered Vehicle Scrapping Facility purpose only

5.0 CONDITIONS OF ELIGIBILITY FOR REGISTERED VEHICLE SCRAPPING FACILITY

The State Government/ Union Territory Governments when granting authorization to any Registered Vehicle Scrapping Facility under Clause 6 shall take into account the following eligibility criteria, namely:-

- 5.1 The Registered Vehicle Scrapping Facility may be owned and operated by any legal entity, be it a person, firm, society, company or trust established in accordance with the laws having the following documents:
 - 5.1.1 Certificate of Incorporation or Shop Act Registration or Udyam Aadhar;
 - 5.1.2 Valid Goods and Services Tax registration; and
 - 5.1.3 Valid Permanent Account Number
- 5.2 The entity shall have applied for or having an approval for consent to establish from the Registering authority of the State or Union territory Government in which the Registered Vehicle Scrapping Facility is intended to be located.
- 5.3 The entity shall undertake to meet the minimum technical requirement for collection and dismantling centres as per Central Pollution Control Board Guidelines.
- 5.4 The entity shall have competent manpower and appropriate equipment to carry out the depollution and dismantling activities in a safe and environmentally responsible manner.

- 5.5 The entity shall undertake to obtain the required quality certifications of ISO 9001 (quality management system) or ISO 14001 (environmental certification) or ISO 45001 (occupational health and safety) within twelve months of commencement of operations as a Registered Vehicle Scrapping Facility.
- 5.6 The entity shall possess, or provide an undertaking to obtain, a consent to operate from State Pollution Control Board, within a period of six months from commencement of operations.
- 5.7 The entity shall undertake to abide by the Provisions of all applicable Labour codes and all other Acts or Rules as applicable.
- 5.8 The entity shall provide evidence of availability of an adequate useable area of land in the Orange category industrial zone of the State or Union territory by way of ownership or agreement to sell or agreement for lease of a minimum period of three years.
- 5.8.1 The entity shall have necessary cyber security certifications as per clause 4.2.
- 5.8.2 The entity shall provide approved plant layout and the building plan.
- 6.0 REGISTRATION PROCEDURE FOR REGISTERED VEHICLE SCRAPPING FACILITY**
- 6.1 An applicant may make an application in the prescribed Form-1, addressed to the 'Registration Authority' of the concerned State Government or Union Territory Government where the Registered Vehicle Scrapping Facility is intended to be located along with:
- 6.1.1 A non-refundable Processing Fee of Rs. 1,00,000/- (Rupees One Lakh only) for each Registered Vehicle Scrapping Facility proposed to be established; and
- 6.1.2 An Earnest Money Deposit by way of a bank guarantee of Rs. 10,00,000/- (Rupees Ten Lakhs) for each Registered Vehicle Scrapping Facility proposed to be established, in favour of the Registration Authority or as a non-interest-bearing security deposit for a period, co-terminus with the validity of the initial registration period, plus 90 days.
- 6.2 All applications for grant of registration shall be disposed of by the Registration Authority within a period of 60 days from the date of application.
- 6.3 All accepted applications shall be issued a registration certificate in Form-1A.
- 6.4 Applicants whose applications are rejected shall be refunded their Earnest Money or Bank Guarantee;
- 6.5 The Central Government shall develop a portal for Single Window Clearance on which the applicant will apply with all necessary documents and required fee for registration.

- 6.6 State Government or Union territory Government shall clear the proposal in time bound manner within sixty days including the internal approval from various State agencies (Labour, Pollution etc.) after submitting such application else the proposal would be deemed approved.
- 6.7 Such portal shall be operationalised within six months from the date of notification of these rules and till such time as this portal is operationalised, processing of these cases shall be done manually by respective State Governments or Union territory Governments.
- 6.8 After the operationalisation of the portal referred to clause 5 of this part of standard, all subsequent approvals etc. shall be granted through the portal and reports regarding the inspection and audit of Registered Vehicle Scrapping Facility should be made available on the portal.
- 6.9 The necessary approvals by the State Pollution Control Board, Labour Department and any other department deemed necessary for the establishing or operation of such Registered Vehicle Scrapping Facility shall be provided through that portal only.
- 6.10 The State Government or Union territory Government shall publish a Citizen's Charter on the portal and the procedure for grant of approvals on such portal.
- 6.11 The process shall be transparent and seamless and all the notifications, guidelines, forms, etc. shall be made available on the portal established in sub-rule (5), and the applications shall be made electronically and disposed-off in time-bound manner.

7.0 VALIDITY AND RENEWAL OF REGISTRATION

- 7.1 The Registration issued under clause 6 shall be valid for an initial period of ten years, which shall be renewable for another ten years at a time, subject to the condition that the Registered Scrapper has not been in default of these provisions.
- 7.2 An application for renewal of registration may be made three months before expiry of such registration.
- 7.3 Application for renewal shall be in Form-1 and shall carry such renewal fee and security deposit as may be specified by the State or Union territory Government for this purpose.
- 7.4 The renewal of registration shall be issued as per Form-1A.
- 7.5 The registration issued under this rule shall not be transferable.

8.0 CRITERIA FOR SCRAPPING OF VEHICLES

The following vehicles may be offered for scrapping to the Registered Scrapper: -

- 8.1 Vehicles which have not renewed their Certificate of Registration in accordance with Rule 52 of the CMVR, 1989.
- 8.2 Vehicles which have not been granted a certificate of fitness in accordance with Rule 62 of the CMVR, 1989.
- 8.3 Vehicles which have been damaged due to fire, riot, natural disaster, accident or any calamity, following which the registered owner self certifies the same as scrap.
- 8.4 Vehicles which have been declared obsolete or surplus or beyond economic repair by the Central or State Organizations of the government and have been offered for scrapping.
- 8.5 Vehicles bought by any agency including Registered Vehicle Scrapping Facility in an auction for scrapping the vehicles.
- 8.6 Vehicles which have outlived their utility or application particularly for projects in mining, highways, power, farms etc. as may be self- certified by the owner.
- 8.7 Manufacturing rejects, test vehicles, proto type, vehicles damaged during transportation from vehicle Original equipment manufacturer to dealers or unsold or unregistered vehicles as may be certified by the Vehicle Original equipment manufacturer.
- 8.8 Auctioned, impounded or abandoned vehicles by any Enforcement Agency.
- 8.9 Any other vehicle voluntarily offered to a Registered Vehicle Scrapping Facility for scrapping, by the owner

9.0 RIGHT TO INSPECTION

- 9.1 The Registered Scrapper shall maintain in the Registered Vehicle Scrapping Facility, the records regarding the transaction of vehicles and scrap generation and its responsible disposal to authorised recyclers, and all the machinery, equipment and apparatus in the Registered Vehicle Scrapping Facility premises, ready for inspection by the Registration Authority or Designated Officer of the State Government or Union territory Government.
- 9.2 Physical Inspection and Site visits may be carried out after execution of process as listed below: -
 - 9.2.1 When a report of non-compliance by the appropriate authority or a public complaint has been received by the Registration Authority in respect of the Registered Scrapper;
 - 9.2.2 Such complaint has been forwarded to the Registered Scrapper to file a written response within seven working days;

- 9.2.3 The response has been scrutinized and an opportunity has been provided to the Registered Scrapper to provide further clarifications within three working days.
- 9.2.4 The response and clarifications provided are inadequate in the opinion of the Registration Authority, and a site visit is warranted.
- 9.3 Such site visit shall be duly authorized by the Registration Authority.
- 9.4 The Report of the Inspection Team shall be submitted to the Registration Authority and a copy of the same shall be provided to the Registered Scrapper.
- 9.5 In case of non-compliance of these rules the Registration Authority may after providing an opportunity to the Registered Scrapper of being heard, pass a speaking order to cancel or suspend the registration for the facility.

10.0 SCRAPPING PROCEDURE

- 10.1 The scrapping of vehicles shall be carried out by a Registered Scrapper End-of-Life Vehicles, by the following procedure, namely :-
 - 10.1.1 The registered owner or the authorized representative shall hand over the vehicle together with an Application as per Form-2 in two originals to the Registered Scrapper or the designated collection centre for deposit and further treatment of the vehicle.
 - 10.1.2 If the vehicle does not have a valid registration, then the Registered Scrapper or its designated centre, shall match the identity of the registered owner as per the VAHAN database with the person handing over the vehicle and receive the vehicle and issue a receipt through digital platform linked to VAHAN
 - 10.1.3 Vehicles impounded by an Enforcement Agency shall be handed over to the Registered Scrapper.
 - 10.1.4 The Registered Vehicle Scrapping Facility shall verify the records of the vehicles produced for scrapping with the database of the stolen vehicles held by National Crime Records Bureau as well as with the local Police before scrapping a vehicle
 - 10.1.5 The Registered Scrapper shall require, along with the Form-2, the following applicable original documents from the owner or the authorized representative:
 - 10.1.5.1 Original Certificate of Registration;
 - 10.1.5.2 Authorization from the registered owner;
 - 10.1.5.3 In case of inheritance, the death certificate of the registered owner accompanied with any proof of succession;

- 10.1.5.4 Certificate or order confirming the sale of the vehicle in a public auction in his favour duly signed by the person authorized to conduct the auction; and
- 10.1.5.5 An undertaking, as per Clause 4 of Form-2, from the owner or representative, indicating that vehicle has no pending criminal record or litigation and there are no pending dues on the vehicle.
- 10.1.6 The Registered Scrapper shall verify that the hire-purchase, lease or hypothecation agreement in the certificate of registration of a motor vehicle required under sub-section (2) of section 51 of the Act has been duly discharged and an undertaking to this effect shall also be given by the owner or representative in clause 4 of Form-2.
- 10.1.7 The Registered Scrapper shall accept self-certified copies from the owner or through authorized representative of the following documents: -
 - 10.1.7.1 Copy of the Permanent Account Number Card of the owner;
 - 10.1.7.2 Cancelled cheque of the bank account of the owner;
 - 10.1.7.3 Identity Proof of the authorized representative (if applicable) such as Passport, Voter Card, Aadhar Card, Driving Licence or Photo Identity card issued by the State Government or the Central Government;
 - 10.1.7.4 Address Proof of the owner such as Electricity Bill, Water Bill, LandLine Telephone Bill or piped cooking gas bill etc; and
 - 10.1.7.5 Digital photograph of the owner or authorized representative physically handing over the End-of-Life vehicle to the Registered Scrapper, or a photograph of the owner or representative duly pasted in Form-2 and countersigned by the owner or representative
- 10.1.8 The Registered Scrapper shall return the second Form-2, duly receipted, to the owner or his authorised representative and deface or punch the Registration Certificate in the presence of the owner or his authorised representative and issue the Certificate of Deposit as evidence of transfer of ownership of the vehicle.
- 10.1.9 The Registered Vehicle Scrapping Facility established in a State can accept and scrap the vehicle registered in any case of the State or Union Territory under the jurisdiction of any
- 10.1.10 The whole process shall be smoothly linked with VAHAN and on pan India basis irrespective of the location of any vehicle registering authority.
- 10.1.11 The Registered Vehicle Scrapping Facility shall facilitate the process of submission of request electronically and transmission of registration certificate (defaced or punched) to road transport or regional transport office in getting vehicle deregistered as per provisions of the Act

- 10.1.12 The 'Certificate of Deposit' shall be a necessary and sufficient document for the owner to avail incentives and benefits for purchase of a new vehicle as may be declared from time to time.
- 10.1.13 The Certificate of Deposit shall be tradeable and once utilized shall be collected by the agency or dealer providing the benefits to the holder of the said certificate.
- 10.1.14 The Certificate of Deposit shall be stamped as —Cancelled by the agency or dealer and marked as such in the VAHAN database.
- 10.1.15 The regional transport office registering the new vehicle purchased against the Certificate of Deposit may verify and authenticate the Certificate of Deposit.
- 10.1.16 The Registered Scrapper shall digitally remit or pay by an account payee cheque, the agreed consideration for the vehicle and obtain a receipt for the same from the owner or his authorized representative for record.
- 10.1.17 The Registered Scrapper shall have the cut piece of the chassis number in safe custody for a period of six months from the date of issue of Certificate of Vehicle Scrapping issued under Clause 11.
- 10.1.18 The Registered Scrapper shall maintain a physical copy of all documents for a period of two years and a digital scanned copy of those documents for a period of ten years for record and examination during inspection;
- 10.1.19 The Registered Scrapper shall ensure that removal or re-cycling or disposal of hazardous parts of the scrapped vehicle is done as per CPCB guidelines for Environmentally Sound Management of End-of-Life Vehicles and AIS-129.
- 10.1.20 Vehicles shall not be scrapped until the fuel, oil, antifreeze, and other gases, fluids etc. are drained and collected in certified standard containers.
- 10.1.21 A digital register of vehicles scrapped shall be maintained in Form-3.

11.0 ISSUANCE OF CERTIFICATE OF VEHICLE SCRAPPING

- 11.1 The Registered Scrapper, after completing the necessary treatment, shall issue a Digital 'Certificate of Vehicle Scrapping', including a digital photograph of the cut out of the Chassis, in Form-4 to update the National Register, VAHAN Database and inform the competent authority of the State Government or Union Territory Government for updating of records.
- 11.2 A separate record of the scrapped vehicles shall be maintained on the VAHAN database by the Central Government.

- 11.3 The reuse/resale of any of the parts of an ELV including engines or any refurbished part, obtained from the scrapped vehicle shall be in accordance with the policy/guidelines/standards issued from time to time as applicable.
- 11.4 The Registered Scrapper shall ensure that following components are not retained for reuse in the After-Sales market and shall be disposed of in an environmentally friendly manner.
- i) All airbags including cushions, pyrotechnic actuators, electronic control units and sensors
 - ii) Automatic or non-automatic seat belt assemblies, including webbings, buckles, retractors, pyrotechnic actuators
 - iii) Seats (only in case where safety belt anchorage and / or airbags are incorporated in the seat)
 - iv) Steering lock assemblies acting on the steering column and steering system
 - v) Immobilizers, including transponders and electronic control units
 - vi) Emission after-treatment systems (e.g. catalytic converters, particulate filters)
 - vii) Keys and lock components
 - viii) Sections of bodywork bearing the vehicle identification number
 - ix) Electronic brake components.
 - x) Brake components - Mechanical or Electrical including Brake Pads, Brake Linings, Brake Hoses and Electronics ABS, ESC, EBD, TCS; Clutch facings used in Transmissions

12.0 INSTALLATION OF CCTV CAMERAS

- 12.1 The Registered Scrapper shall install CCTV cameras at the scrapping yard, in the customer and vehicle reception area and the record of scrapping should be saved in the Registered Scrapper's IT system for a period of three calendar months
- 12.2 The access to the CCTV footage installed in the facility may be provided to the authorized agencies as may be required by the State Government or Union Territory Government.

13.0 SCRAPPING YARD AND COLLECTION CENTER

- 13.1 The Scrapping Yard shall be set up in an adequate area having space for vehicular movement, storing the vehicles or items received and recyclable material recovered, commensurate to the size and voluminous nature of the scraps to be handled by the facility.

- 13.2 The Scrapping Yard shall be a gated area to handle, depollute and dismantle End-of-Life Vehicles, white goods and other scraps along with facility for measuring radiation as is followed for import of scrap.
- 13.3 Material handling machines shall be utilised to minimise human intervention and create safe work places.
- 13.4 All Scrapping Yards shall engage competent and trained manpower to process the End-of-Life vehicles, goods and other scraps.
- 13.5 The Scrapping Yard shall have dry areas (free from water logging), impermeable surfaces like asphalt or concrete flooring, asphalt or concrete roads, adequate workshop facilities for in-house maintenance, fire protection systems etc. to maintain safe work places and all other required measures for keeping pollution under control.
- 13.6 Scrapping Yard shall be equipped with a depollution system, preferably with zero discharge system and dismantling work shall be done using technology for processing the End-of-Life vehicles, goods and other scraps.
- 13.7 The Scrapping Yard shall comply with relevant health and safety legislation or regulation and environmental norms.
- 13.8 The Scrapping yard shall have-
 - 13.8.1 Suitable earmarked area for parking of waste vehicles on non-permeable asphalt or concrete or epoxy coated flooring with adequate drainage facility and no waste or potentially waste vehicle shall be parked on roads or public spaces even during processing of applications for deposit and shall be accommodated within the premises of the Registered Vehicle Scrapping Facility only.
 - 13.8.2 Certified de-polluting equipment to ensure zero leakage of pollutants during draining of fuels or fluids or gases and liquids, certified de-risking equipment for safe neutralization or removal of airbags, pretensioner etc., appropriate dismantling equipment for the activities defined (such as de-risking, de-polluting, dismantling, shredding, shearing, bailing etc.), designated areas for storing the segregated scrap, adequate space for storage and handling of segregated spares, designated space for temporary storage of automotive hazardous waste such as tyres, batteries, fuel, oils, liquids and gases, suitable safety and occupational health equipment, material handling equipment for the safe transportation of spares, scrap etc.
 - 13.8.3 Appropriate Industrial grade lighting and ventilation systems, conformity to noise pollution norms and appropriate effluent treatment plants or water recycling plants.

- 13.9 Scrapping Yards shall accredit themselves with the latest version of quality standards viz. ISO 9001 (Quality management system), ISO14001 (Environmental Management System) and ISO 45001 (Occupational health and safety) within twelve months of commencement of operations.
- 13.10 In case Scrapping Yards do not have adequate capability or provisions for responsible recycling of hazardous waste (like e-waste, lead acid batteries, lithium-ion components, or for recovery of rare earth metals, etc.), or for recycling of scrap material which is outside its scope, then such materials shall be sold to duly authorized recyclers or agencies, who have adequate capability and licence.
- 13.11 Records of the transactions shall be maintained, clearly stating the volumes off-loaded and the name, authorisation number, Permanent Account Number, Goods and Services Tax and other commercial details of the authorized recycler/agency. Such records shall be subjected to periodical audit.
- 13.12 Collection Centre may be established by a Registered Vehicle Scrapping Facility at any other place, other than the Scrapping Yard if collection center undertakes activities such as depollution and dismantling and the requirements applicable for Scrapping Yard shall also be applicable to such Collection Center.

14.0 AUDITS AND CERTIFICATIONS

- 14.1 The Registered Vehicle Scrapping Facility shall be audited by the registration Authority for compliance with this chapter
- 14.2 On behalf of the Registration Authority, any of the agencies specified under Rule 126 of the Central Motor Vehicles Rules, 1989 or in such list may undertake.
- 14.2.1 Regulatory and Compliance Audit; and
- 14.2.2 Audit of the mass flow statement as maintained in Form-3 by the Registered Vehicle Scrapping Facility.
- 14.3 The audit report shall also grade and evaluate the Registered Vehicle Scrapping Facility in terms of its performance and adherence to occupational health and safety compliances, regulatory, business, environment and labour standards and the respective recycling rates basis, the mass flow information recorded in Form-3 achieved by the Registered Scrapper.
- 14.4 Such audit report shall be uploaded on the portal by the Registered Scrapper annually for a financial year or part thereof and shall be submitted by the 31st May (within two months of completion of financial year) of that financial year.

- 14.5 **O End-of-Life** bservations of non-compliance as reported in the Audit Report shall be resolved by the Registered Scrapper within two months of issue of the Audit Report which may be extended by a maximum of one-month by the Registration Authority.
- 14.6 The Registered Scrapper shall ensure that ISO certifications are revalidated at least three months before their expiry.
- 15.0 APPEAL**
- 15.1 Any person aggrieved by an order, passed under Clause 9.5, of the Registration Authority may within thirty days of the date of receipt of such order, appeal to the Appellate Authority.
- 15.2 The appeal shall be preferred in a plain application format, setting forth the grounds of objections to the order passed by the Registration Authority and shall be accompanied by a certified copy of the order appealed against and fee of Rs 10,000/- (Rupees Ten Thousand only).
- 15.3 The Appellate Authority shall dispose the appeal within thirty working days from the date of appeal.

| FORM- 1 | |
|---------------------------------------------------------------------|----------------------------------|
| (Refer Clause 6.1) | |
| APPLICATION FOR REGISTERED VEHICLE SCRAPPING FACILITY (RVSF) | |
| Application for | Please tick as applicable |
| Registration for a new RVSF | |
| Renewal of Registration for existing RVSF | |
| Modification in existing registration | |

| 1. <u>FOR OFFICE USE</u> | |
|---------------------------------|--|
| Application No | |
| Application Date | |
| Date | |
| Fee | |
| Security Deposit | |

| 2. <u>GENERAL INFORMATION</u> | | | | | | | | | |
|--------------------------------------|---------|---------|------|-------|---------|------------|------|----|-----|
| i | Name | | | | | | | | |
| ii | Address | | | | | | | | |
| iii | Tel | | | | | | | | |
| iv | FAX | | | | | | | | |
| v | Email | | | | | | | | |
| vi | CIN | | | | | | | | |
| vii | PAN | | | | | | | | |
| viii | GST | | | | | | | | |
| ix | Status | Company | Firm | Trust | Society | Proprietor | Govt | JV | PPP |
| x | Attach | MoA | | | | | AoA | | |

| | | | | | | | | | |
|----|------------------------------------------------------------------------------|--|--|--|--|--|--|--|--|
| xi | Existing Activities of the Company (National Industrial Classification Code) | | | | | | | | |
|----|------------------------------------------------------------------------------|--|--|--|--|--|--|--|--|

3. PLANT DETAILS

| | | | | |
|---|----------------------------|-------|--------------|-------|
| a | Location (Provide Map) | | | |
| b | Area (sq m) | | | |
| c | Possession Details | Owned | Lease/Period | Years |
| d | State | | | |
| e | District | | | |
| f | Category of industrialzone | | | |

4. Proposed Activities of the Company

| | | | | | |
|------------|-----|----|----------|--|-----|
| L Vehicles | Yes | No | Capacity | | Nos |
| M Vehicles | Yes | No | Capacity | | Nos |
| N Vehicles | Yes | No | Capacity | | Nos |
| Other | Yes | No | Capacity | | Nos |

5. Proposed Capital Structure (INR lakh)

| | |
|------------|--|
| Authorised | |
| Subscribed | |
| Paid-Up | |

6. Proposed No of Employees

| 7. <u>Availability of Space</u> | | |
|----------------------------------------|-------------------------------------------------------------------------------------------------|--|
| a | Plant Design and Layout, showing following spaces and areas (sqm):- | |
| b | Earmarked area for the safe and environmentally compliant parking of waste vehicles (sqm) | |
| c | Designated areas for storing the segregated scrap (sqm) | |
| d | Space for processed scrap and usable parts (sqm) | |
| e | Designated space for temporary storage of automotive hazardous waste (sqm) | |
| f | Provision of space for parking of safe transportation of spares, scrap and waste products (sqm) | |

| 8. <u>Availability of Equipment</u> | | | |
|--------------------------------------------|------------------------------------------|-----|----|
| a | Certified de-polluting equipment | Yes | No |
| b | Certified de-risking equipment | Yes | No |
| c | Safety and occupational health equipment | Yes | No |

| 9. <u>IT Systems</u> | | | |
|-----------------------------|------------------------------------------------------------------------------|-----|----|
| a | Security certifications for the IT Systems for safe access to VAHAN database | Yes | No |

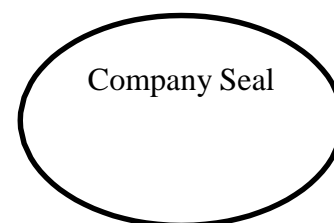
| 10. <u>Environmental Clearance</u> | | |
|-------------------------------------------|----------------------|--|
| a | Consent to Establish | |
| b | Consent to Operate | |

| | |
|----------------------------------------------|--|
| 11. Application No for VAHAN Database | |
|----------------------------------------------|--|

| | |
|------------------------------------|--|
| 12. Undertaking | |
| The Applicant hereby undertakes to | |

| | | | | |
|---|-----------------------------------------------------------------------------|-----------|-----|----|
| a | Comply with CPCB Guidelines for the Safe Disposal of scrapped vehicles | | Yes | No |
| b | Obtain the Quality Certifications within 12 Months of Issue of Registration | | | |
| | i | ISO 9001 | Yes | No |
| | ii | ISO 14001 | Yes | No |
| | iii | ISO 45001 | Yes | No |
| c | Comply with the Hazardous Waste Management Rules (2016) | | Yes | No |

Authorised Signatory **Date**



FORM-1A**(Refer Clause 6.3 and Clause 7.4)**

**CERTIFICATE FOR SETTING UP OF
REGISTERED VEHICLE SCRAPPING FACILITY (RVSF)**

The Registration Authority has approved the issue of Registration for setting up of Registered Vehicle Scrapping Facility as per details below:

| | | | | | | | |
|-----|---------------------|------------|-----|------|-----------------|----------|-----|
| 1. | Applicant | | | | | | |
| 2. | Location | | | | | | |
| 3. | Application No | | | | | | |
| 4. | Application Date | | | | | | |
| 5. | Approval | Yes | | No | | Resubmit | |
| 6. | Category | L Vehicles | Yes | No | Annual Capacity | | Nos |
| | | M Vehicles | Yes | No | Annual Capacity | | Nos |
| | | N Vehicles | Yes | No | Annual Capacity | | Nos |
| | | Others | Yes | No | Annual Capacity | | Nos |
| 7. | Registration Number | | | | | | |
| 8. | Validity | From | | | To | | |
| 9. | Processing Fee | Amount | | | | | |
| 10. | Security Deposit | Amount | | | | | |
| 11. | Bank Guarantee | Amount | | Date | | Validity | |
| 12. | Conditions | | | | | | |

| | | | | |
|--|---|-----------------------------------------|------|--|
| | a | Registration is Non-Transferable | | |
| | b | Undertaking are to be liquidated by | Date | |
| | c | Submit Compliance Self-Certification by | Date | |
| | d | Facility Inspection Due | Date | |
| | e | First Test Audit Due | Date | |

Note: The Registration is Non-Transferable registration Authority

Stamp

Date

FORM – 2**(Refer Clause 10.1)****COMPOSITE APPLICATION FOR SCRAPPING AND CERTIFICATE OF VEHICLE DEPOSIT**

| | | | | | |
|-----------|----------------------|--------------|-----------------------------|--|--|
| 1. | OWNER DETAILS | | | | |
| | A | Name | | | |
| | B | Address | | | |
| | C | Mobile No | | | |
| | D | E Mail | | | |
| | E | PAN | | | |
| | F | Bank Account | | | |
| | | i | Name Of Bank | | |
| | | ii | Branch | | |
| | | iii | Account Number | | |
| | | iv | IFSC | | |
| | | v | Cancelled Cheque | | |
| | | vi | Consideration Received (Rs) | | |
| | | vii | Invoice No And Date | | |
| | G | Photograph | Attached | | |

| | | |
|-----------|---------------------------|--|
| 2. | VEHICLE DETAILS | |
| | Registration No | |
| | Make | |
| | Model | |
| | Vehicle Category | |
| | Chassis No | |
| | Engine No | |
| | Month/Year Of Manufacture | |

| | | | |
|-----------|-----------------|----------------------------------------------------------------------------------------------------------------|--|
| 3. | DOCUMENT | | |
| | A | Original Certificate of Registration. | |
| | B | Copy of Fitness Certificate following which the vehicle has been declared unfit for use, if applicable. | |
| | C | Authorization from the registered owner | |
| | D | In case of Inheritance, the death certificate of the registered owner accompanied with any proof of succession | |
| | E | Certificate or order confirming the sale of the vehicle in a public auction | |

| | | |
|-----------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|
| 4. | CERTIFICATION BY APPLICANT | |
| | <p>I/We ,..... Resident of hereby declare that all the particulars furnished by me / us in this form are true and correct; the subject vehicle is not engaged in any kind of criminal activity/litigation and realize that I/WE are fully liable for any false declaration furnished above.</p> <p>I/We hereby declare that there are no pending dues on the said vehicle; the hire-purchase, lease or hypothecation agreement in the certificate of registration of the said vehicle has been duly discharged and that I/WE shall be fully liable for any such dues and charge pending before this date and I/We fully indemnify the Registered Vehicle Scrapping Facility from all such charges.</p> | |
| | DATE: | SIGNATURE: |
| | PLACE: | |

| | |
|-----------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 5. | CERTIFICATE OF DEPOSIT |
| | <p>1. We certify that Vehicle Registration No..... Make Model..... Vehicle Category..... has been accepted at our Facility vide our Inward No dated..... for Treatment in accordance with these rules for the Disposal of Vehicles and the agreed consideration of Rs. has been paid to the owner vide our Payment Voucher No..... Dated.....</p> |

| | | | |
|--------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|--|
| | 2. We further certify, that on completion of Treatment the National Register, VAHAN Database and the competent authority would be intimidated for updating of records. | | |
| DATE: | | SIGNATURE: | |
| PLACE: | | STAMP: | |
| | | RVSF No. | |
| | | VALIDITY | |

On Company Letter Head

| | | | |
|----------|--|----------|--|
| RVSF No. | | VALIDITY | |
|----------|--|----------|--|

FORM- 3**(Refer Clause 10.1.21, Clause 15.2 and Clause 15.3)****ANNUAL RETURN FOR FINANCIAL YEAR 20 - 20**

| | | |
|-----------|---------------------|--|
| 1. | Name | |
| | Registration Number | |
| | Validity | |

| | | | | | |
|-----------|-----------------------------------|----------------|---------------|-------------------|----------------------------|
| 2. | CAPACITY UTILISATION (NOS) | | | | |
| | A | Deregistration | Completed(1) | In Process (2) | Total (1+2) |
| | i | L Vehicles | | | |
| | ii | M Vehicles | | | |
| | iii | N Vehicles | | | |
| | iv | OTHERS | | | |
| | v | TOTAL(A) | | | |
| | B | Treatment | Authorised(1) | Utilised(2) | % Utilisation (1/2*100) |
| | i | L Vehicles | | | |
| | ii | M Vehicles | | | |
| | iii | N Vehicles | | | |
| | iv | OTHERS | | | |
| | v | TOTAL(B) | | | |

| | | | |
|-----------|------------------|------------------------------|-----|
| 3. | Mass Flow | | Kgs |
| | A | INWARDS | |
| | i | L Vehicles | |
| | ii | M Vehicles | |
| | iii | N Vehicles | |
| | iv | Others | |
| | v | Grand Total (i+ii+iii+iv =A) | |

| | | | |
|--|----------|--------------------------------------------------------------------|--|
| | B | OUTWARDS | |
| | i | Ferrous | |
| | ii | Aluminium | |
| | iii | Copper | |
| | iv | Plastics | |
| | v | Glass | |
| | vi | Tyres | |
| | vii | Precious Metals (Palladium, Rhodium, Gold, Silver, Platinum, etc.) | |
| | viii | Others | |
| | ix | Sub-Total (i) | |
| | C | HAZARDOUS WASTE FOR REPROCESSING | |
| | i | Fuel | |
| | ii | Oils | |
| | iii | Gases | |
| | iv | Batteries | |
| | v | Fluids | |
| | vi | Sub-Total (ii) | |
| | D | Hazardous Waste To Landfill | |
| | i | Residues Retained | |
| | ii | Landfill | |
| | iii | Sub-Total (iii) | |
| | E | Grand Total (i+ii+iii =B) | |
| | F | Mass Balance (A-B) | |

| | | | | |
|-----------|--------------------------------------|-----------|-----------------|----------------|
| 4. | QUALITY CERTIFICATIONS STATUS | | Validity | Remarks |
| | A | ISO 9001 | | |
| | B | ISO 14001 | | |
| | C | ISO 45001 | | |

| | | | | | |
|-----------|--------------|--------|------|------|----------|
| 5. | AUDIT | | | | |
| | A | Agency | | | |
| | B | Date | | | |
| | C | Result | Pass | Fail | Resubmit |

| | | | | |
|-----------|---------------|-----------|------------|----------------|
| 6. | Safety | | Nos | Remarks |
| | A | Accidents | | |
| | B | Incidents | | |

7. I.....

DESIGNATION.....

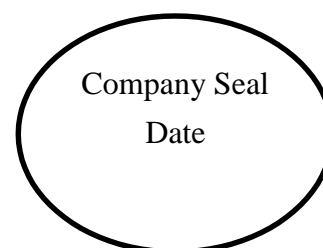
hereby certify that the data submitted above is a true and accurate reflection of the activities of the company for the financial year 20 -20 .

SignaturePlace



FORM- 4**(Refer Clause 11.1)****CERTIFICATE OF VEHICLE SCRAPPING**

| | | | |
|-----------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|---------------------------------------------|
| 1. | CERTIFICATE NUMBER: | | |
| 2. | DATE: | | |
| 3. | This is to certify that the Final Disposal of the Vehicle held on Deposit with us vide our Certificate of Deposit No. Dated has undergone Treatment according to the Motor Vehicles (Registration and Functions of Vehicle Scrapping Facility) Rules, 2021. | | |
| 4. | VEHICLES DETAILS | | |
| | a | Registration Number | |
| | b | Make | |
| | c | Model | |
| | d | Month/Year of Manufacture | MM YY |
| | e | Chassis Number | Picture of cut out piece showing its number |
| | f | Engine Number | Picture of Engine showing its number |
| 5. | OWNER DETAILS | | |
| | a | Name | |
| | b | ID Proof Details | |
| | c | Address | |
| | d | Address Proof Details submitted | |
| 6. | View foregoing it is requested that the records in respect of above-mentioned vehicle may be updated. | | |

Date: **Authorized Signatory****Place:**

2 Part 2A, Clause No. 1.1,

Substitute following text for existing text:

- 1.1 The requirements specified in this standard are applicable to vehicle categories of L, M and N produced in India or imported to India for sale in India and type approved as per CMV Rule 126.

3 Part 2B, Clause No. 1.1,

Substitute following text for existing text:

- 1.1 The requirements specified in this standard are applicable to vehicle categories of L, M and N produced in India or imported to India for sale in India and type approved as per CMV Rule 126.

4 Part 2B, Clause No. 3.4,

Substitute following text for existing text:

- 3.4 End-of-Life Vehicles” means all vehicles which are no longer validly registered or declared unfit through Automated Fitness Centres or their registrations have been cancelled under Chapter IV of the Act or due to an order of a Court of Law or are self-declared by the legitimate registered owner as a waste vehicle due to any circumstances as specified in these rules.

5 Part 2B, Clause No. 3.11,

Substitute following text for existing text:

- 3.11 “Recycling” means the reclamation and processing of waste in an environmentally sound manner for the original purpose or other.

6 Part 2B, Clause No. 3.16,

Substitute following text for existing text:

- 3.16 Treatment” means any activity after the End-of-Life vehicle has been handed over to a collection centre of a Registered Vehicle Scrapping Facility for depollution, dismantling, shearing, shredding, recovery or preparation for disposal of the shredder wastes, and any other operation carried out for the recovery or disposal of the End-of-Life vehicle and its components;

7 Part 2B, Clause No. 3.18,

Substitute following text for existing text:

3.18 “Vehicle” means a motor vehicle or vehicle as defined in clause (28) of section 2 of the Act.

PRINTED BY
THE AUTOMOTIVE RESEARCH ASSOCIATION OF INDIA
P. B. NO. 832, PUNE 411 004
ON BEHALF OF
AUTOMOTIVE INDUSTRY STANDARDS COMMITTEE
UNDER
CENTRAL MOTOR VEHICLES RULES - TECHNICAL STANDING COMMITTEE
SET-UP BY
MINISTRY OF ROAD TRANSPORT & HIGHWAYS
(DEPARTMENT OF ROAD TRANSPORT & HIGHWAYS)
GOVERNMENT OF INDIA
18th November 2021

AUTOMOTIVE INDUSTRY STANDARD

End-of-Life Vehicles

PRINTED BY

THE AUTOMOTIVE RESEARCH ASSOCIATION OF INDIA

P.B. NO. 832, PUNE 411 004

ON BEHALF OF

AUTOMOTIVE INDUSTRY STANDARDS COMMITTEE

UNDER

CENTRAL MOTOR VEHICLE RULES – TECHNICAL STANDING COMMITTEE

SET-UP BY

MINISTRY OF ROAD TRANSPORT & HIGHWAYS

(DEPARTMENT OF ROAD TRANSPORT & HIGHWAYS)

GOVERNMENT OF INDIA

March 2015

Status chart of the standard to be used by the purchaser for updating the record

| Sr. No. | Corrigenda. | Amendment | Revision | Date | Remark | Misc. |
|--------------------------|--------------------|------------------|-----------------|-------------|---------------|--------------|
| | | | | | | |
| | | | | | | |
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| | | | | | | |
| General remarks : | | | | | | |

INTRODUCTION

The Government of India felt the need for a permanent agency to expedite the publication of standards and development of test facilities in parallel when the work on the preparation of the standards is going on, as the development of improved safety critical parts can be undertaken only after the publication of the standard and commissioning of test facilities. To this end, the erstwhile Ministry of Surface Transport (MOST) has constituted a permanent Automotive Industry Standards Committee (AISC) vide order No. RT-11028/11/97-MVL dated September 15, 1997. The standards prepared by AISC will be approved by the permanent CMVR Technical Standing Committee (CTSC). After approval, the Automotive Research Association of India, (ARAI), Pune, being the Secretariat of the AIS Committee, has published this standard. For better dissemination of this information ARAI may publish this standard on their web site.

A need was realised to minimise the impact of End-of-Life Vehicles (ELV) on environment, thus contributing to the protection, preservation and improvement of the quality of the environment and energy conservation.

Several consultations were carried out by the group members within their organisations as well as without. Seminars were conducted, wherein the concerned stakeholders in the country as well as International experts on the topic presented papers. SIAM participated in various international conferences organised by reputed organisation such as International Automobile Recycling Congress (IARC) and International Congress & Marketing (ICM AG). A study was also done on the existing ELV recycling models in the countries of Europe, Japan and China. The lessons learnt from those recycling models were keenly studied considering the Indian scenario.

It was also realised that the ELV regulation cannot be the only solution towards making automobile recycling an organised sector in the country and it is not the only measure for making auto recycling an environment friendly process. However, this can be one of the many steps required for this purpose and a very important one too. The benefits of this regulation can only be reaped in conjunction with the infrastructure development such as, inspection & maintenance of in service vehicles, setting up ELV collection and dismantling centres across the country, modernisation of existing recycling facilities, modernisation of vehicle registration and de-registration system in the country as well as formulation and enforcement of motor vehicle and environmental rules boosting the automotive recycling industry.

Considering the need to formulate the standard, an effort is being made by the SIAM to formulate a regulation for the safe disposal of ELVs and reduction of heavy metals in the vehicles. However, considering the Indian scenario, certain modifications in the Automotive Industry Standard have been carried out.

The first part of the standard lays down the requirements for the collection and dismantling centres, while the second part (Parts 2(A) and 2(B)) of the standard lay down requirements for the vehicle manufacturers to comply with the RRR calculations, to restrict the heavy metals in their vehicles, to suitably code the plastic components and to provide dismantling information to the authorised collection and dismantling centres.

The significant differences between the European regulation (2000/53, 2005/64) and this AIS are as follows:

1. Considering the significant population of two wheelers in India, it was decided to cover the 2-wheelers along with the M1 category vehicles in the scope. On the other hand, the European directive covers M1 and N1 category in the scope.
2. The inclusion of N1 category in India was debated at length. Based on the experience with implementation of M1 category, a decision will be taken for inclusion of N1 category vehicles.
3. The marking of the parts is limited to only plastic components unlike Europe where rubber components are also required to be marked.
4. The concept of an assessment to be carried out by appropriate agency before type approval certificate is issued to the manufacturer has been captured.
5. To the extent possible, the criteria for approval of extension and reference vehicle are defined for additional clarity in certification process.
6. EU directive covers spare parts also. However, in India, there is no regulation in existence controlling the after market parts. Hence this regulation does not cover any of the requirements for after market parts covered by EU.

7. The extended producer responsibility was considered to be unviable in an emerging market like India, where the industry is not developed to that maturity level. However, it is understood that it takes a lot of work from the existing unorganised sector and hence, a demo centre has been set up by the Govt of India under the NATRIP project with a comprehensive support from SIAM and its members.
8. It is strongly believed that the market economy must take care of the final ELV value offered to the customer.

Need for Modernisation of Vehicle Fleet in India

At present, India does not have a robust national policy on retirement of vehicles or end-of-life of vehicles. Hence, it is important to capitalise on the developments that the industry has catalysed in the country, over the last two decades. Vehicle users in India tend to continue the usage well beyond the expected life of the product. Such vehicles have higher emission content, lower fuel efficiencies and also have lower safety standards. The government with the OEMs can promote an incentive scheme to drive vehicle owners to replace older vehicles with new generation products. Whilst the new vehicles are cleaner and meeting stringent emission requirements, and a continuous plan is being evolved by the Government of India to further improve the emission performance of these newly manufactured vehicles. However, the benefits are not getting reflected in the ambient air quality due to the presence of a large number of old and ill maintained polluting vehicles.

Approach - Replacement based on Vintage of the Vehicle

In order to mitigate immediate air quality problems and decreasing the menace of road accidents, a one-time incentive scheme for retirement of old vehicles is required and there is a need for Modernizing the Vehicle Fleet. An age based fleet modernisation programme appears to be an effective option to tackle the problem of emission from in-use vehicles on a one-time basis.

Given the profile of vehicle population in India, the suggested scheme would offer an effective solution to the problem of vehicular pollution faced by India. And it would be apt to focus the first phase in the eight major States of India, namely Delhi, Maharashtra, West Bengal, Tamil Nadu, Karnataka, Gujarat, Telangana and Seemandhra.

The last owner of the vehicle will be issued a Certificate of Destruction (CoD) by Regional Transport Authority; this certificate will be a tradable in nature.

Other Approach for supplementing the Fleet Modernisation Scheme

In order to discourage people from running old polluting vehicles, the rate of Road Tax and rate of premium on Motor Vehicle Insurance could be increased progressively with the age of the vehicle. As a pilot, it can be first used for Commercial Vehicles, which have been languishing for more than a year, with market have been contracted significantly.

The Automotive Industry Standards Committee (AISC) responsible for preparation of this standard is given in Annexure-L given in Part 2 (B).

REFERENCES:

1. 2005/64/EC Directive : Type approval of motor vehicles with regard to their reusability, recyclability and recoverability
2. 2009/1/EC Directive: Amendments to 2005/64/EC.
3. 2000/53/EC Directive : End-of-life Vehicles
4. ISO 22628:2002 (E) : Road Vehicles – Recyclability and recoverability – Calculation Method
5. IS 9211 : 2003 : Terms and definitions of Road Vehicles

End-of-Life Vehicles

| Para. No. | Contents | Page No. |
|-----------|-------------------------------------------------------------------------------------------------------------------|----------|
| | PART –1 | |
| | COLLECTION AND DISMANTLING OF END-OF-LIFE VEHICLES | |
| 1. | Scope | 1/48 |
| 2. | References | 1/48 |
| 3. | Definitions | 1/48 |
| 4. | Mandatory compliance | 2/48 |
| 5. | Procedure for authorisation by Government Certifying Agency | 4/48 |
| | List of Annexes | |
| Annex-A | Minimum technical requirements for Collection and Dismantling Centre | 8/48 |
| Annex-B | Forms | |
| Form -1 | Application for obtaining authorization for Collection and Dismantling of End-of-Life Vehicle | 11/48 |
| Form-1(A) | Form for granting authorization for Collection and Dismantling of End-of-Life Vehicle | 13/48 |
| Form-2 | Form for filing annual returns of Collection and Dismantling of End-of-Life Vehicle | 14/48 |
| Form-3 | Form of application for submitting a vehicle as an End-of-Life Vehicle and request for Certificate of Destruction | 15/48 |
| Form-4 | Certificate of Destruction | 17/48 |
| Form-5 | Certificate for Collection and Dismantling Centre in case voluntary withdrawal or expiry of authorisation | 18/48 |
| | PART-2 A | |
| | HEAVY METAL RESTRICTION, DISMANTLING INFORMATION | |
| 1. | Scope | 19/48 |
| 2. | Definitions | 19/48 |
| 3. | Restriction of heavy metals | 19/48 |
| 4. | Dismantling information to be supplied by vehicle manufacturers | 19/48 |

| List of Annexes | | |
|------------------------|---------------------------------------------------------------------------------------------------------------------------|-------|
| Annex-A | Materials and components exempted from clause 3 | 20/48 |
| Annex-B | Guidelines for dismantling information | 25/48 |
| | PART-2 B | |
| | TYPE APPROVAL OF VEHICLES WITH REGARD TO THEIR REUSABILITY, RECYCLABILITY AND RECOVERABILITY (RRR) | |
| 1. | Scope | 26/48 |
| 2. | References | 26/48 |
| 3. | Definitions | 26/48 |
| 4. | Requirements | 28/48 |
| 5. | Application for type approval | 28/48 |
| 6. | Type approval | 29/48 |
| 7. | Changes in the technical specification of already type approved vehicle | 29/48 |
| 8. | Selection of reference vehicle for demonstrating RRR calculations | 29/48 |
| 9. | Material identification marking on plastic components | 30/48 |
| List of Annexes | | |
| Annex-A | Technical specifications for type approval of vehicle with regards to their reusability, recyclability and recoverability | 31/48 |
| Annex-B | RRR calculation method for M1 category | 34/48 |
| Annex-C | Data presentation - for M1 category | 37/48 |
| Annex-D | Calculation method- for M1 category | 38/48 |
| Annex-E | Criteria for extension of approval | 39/48 |
| Annex-F | Component parts deemed to be non-reusable | 41/48 |
| Annex-G | Assessment of the manufacturer | 42/48 |
| Annex-H | Certificate of compliance | 44/48 |
| Annex-J | RRR calculation method for L1 and L2 category | 45/48 |
| Annex-K | Data presentation - for L1 and L2 category | 47/48 |
| Annex-L | Committee Composition - Automotive Industry Standards Committee | 48/48 |

End-of-Life Vehicles

PART –1

COLLECTION AND DISMANTLING OF END-OF-LIFE VEHICLES

1.0 SCOPE

These rules shall apply to:

- a) Last owner of End-of-Life Vehicles (ELV)
- b) Collection and dismantling centers treating M1, L1 and L2 category end-of-life vehicles.

Note: This does not preclude processing of end-of-life vehicle of other categories provided that all the conditions prescribed in Annex A of this standard are met.

2.0 REFERENCE

ISO 14001 (Environmental Management System)

3.0 DEFINITIONS

For the purpose of this standard definitions given in AIS-129: Part-2 B shall be applicable to this Part-1 of the standard also. In addition, the following definitions shall also apply.

- 3.1 **Authorization** means the process of evaluating, assessing and approving the capabilities and capacities of the collection and dismantling centre involved in the dismantling of end-of-life vehicles.
- 3.2 **Authorized Collection and Dismantling centre** means the establishment / undertaking authorized by the Government certifying agency to collect and treat the end-of-life vehicles as per the provisions laid under this standard.
- 3.3 **Government Certifying Agency** means the agency appointed by the Government for authorization of collection and dismantling centres in accordance with these rules.
- 3.4 **Last owner** is the person(s) who has (have) the legal possession of the End-of-Life Vehicle.
- 3.5 **Certificate of Destruction** means the certificate issued by the collection and dismantling centre to the last owner confirming that the treatment on the vehicle will be carried out as per the provisions mentioned in this standard.

4.0 MANDATORY COMPLIANCE

4.1 Responsibilities of the last owner of an ELV

- 4.1.1 The last owner, when he/she considers disposition of vehicle, shall hand over the end-of-life vehicle only to the Authorized Collection and Dismantling centre or his authorised agent.
- 4.1.2 The last owner shall ensure that the ELV does not contain any other waste other than an ELV.
- 4.1.3 Except as provided for in clause 4.2.2 (c), the last owner shall ensure that the ELV contains the following vehicle aggregates while submitting ELV to the Collection and Dismantling Centre.
- 4.1.3.1 In the case of M1 category vehicles:
- i) Body shell / Chassis
 - ii) Engine
 - iii) Transmission
 - iv) Front and rear axles with wheels and tyres
 - v) Battery
 - vi) Catalytic convertor (if fitted)
- 4.1.3.2 In the case of L1 and L2 category vehicles:
- i) Engine
 - ii) Transmission
 - iii) Front and rear axles with wheels and tyres
- 4.1.4 The last owner shall make an application in Form 3 prescribed in Annex B while submitting the vehicle as an ELV to the concerned authorized collection and dismantling centre.

4.2 Responsibilities of Collection and Dismantling Centre

Any person(s) operating Collection Centre(s) and Dismantling Centre(s):-

- 4.2.1 Shall obtain an authorization in accordance with the procedures prescribed in this standard from the concerned Government Certifying Agency.
- 4.2.2
- a) shall offer the last owner a price, as stipulated by the Government of India from time to time or in absence of such stipulation shall offer the last owner a mutually agreed price based on the evaluation of ELV. In any case collection and dismantling centre shall not charge any money from the last owner.
 - b) shall accept vehicle even when some of the parts fitted are not OE parts, but are from replacement market.
 - c) shall accept vehicles retrofitted with CNG/LPG/Hybrid kits, provided the same is endorsed in the registering certificate.

- d) shall accept the accident vehicles irrespective of the state of vehicle, provided that such vehicle is in continued legal possession of the last owner.
 - e) shall accept prototype/ research vehicle/ unregistered vehicles.
- 4.2.3 shall issue “Certificate of Destruction” of ELV in Form 4 as per Annex B to the last owner, on receipt of the ELV. Maintain records of the same and the records should be available for scrutiny by the appropriate authority.
- 4.2.4 shall fulfill the minimum requirements in accordance with Annex A.
- 4.2.5 shall store the ELV (even temporarily) and treat in accordance with Annex A without endangering human health and without using processes or methods which could harm environment.
- 4.2.6 shall carry out operations for depollution of end-of life vehicles as mentioned in Annex A as soon as possible.
- 4.2.7 shall strip down the ELV before further treatment or make other equivalent arrangements in order to reduce any adverse impact on the environment. Components or materials as per the dismantling information shall be stripped off, before further treatment.
- 4.2.8 shall not sell the components mentioned in clause 4.2.8.1 and 4.2.8.2 below to any person(s) for reuse in the After-Sales market and shall dispose off in an environmentally friendly manner.
- 4.2.8.1 **In the case of M1 category vehicles:**
 - i) all airbags including cushions, pyrotechnic actuators, electronic control units and sensors
 - ii) automatic or non-automatic seat belt assemblies, including webbings, buckles, retractors, pyrotechnic actuators
 - iii) seats (only in case where safety belt anchorage and / or airbags are incorporated in the seat)
 - iv) steering lock assemblies acting on the steering column
 - v) immobilizers, including transponders and electronic control units
 - vi) emission after-treatment systems (e.g. catalytic converters, particulate filters)
 - vii) keys and lock components
 - viii) sections of bodywork bearing the vehicle identification number
 - ix) electronic brake components.

4.2.8.2 In the case of L1 and L2 category vehicles:

- i) Steering lock assemblies acting on the steering column
- ii) Immobilizers, including transponders and electronic control units
- iii) Emission after-treatment systems (e.g. catalytic convertor, particulate filters)
- iv) Keys and lock components
- v) Sections of bodywork bearing the vehicle identification number
- vi) Engine parts bearing the engine number
- vii) Electronic brake components
- viii) Suspension system
- ix) Any item other than those recommended for re-use by the vehicle manufacturer in the dismantling information

4.2.9 shall have a mechanism for updating to the latest authenticate dismantling information for de-pollution and dismantling purposes.

4.2.10 shall apply for de-registration of the ELV in Form 20a as per rule 47a of CMVR, 1989 to the registration authority within a period of 1 month of issue of Certificate of Destruction to the last owner.

4.2.11 shall file annual returns in Form 2 to the Government Certifying Agency.

4.2.12 may accreditate their centres/ units as per ISO 14001 (Environmental Management System)

5.0 PROCEDURE FOR AUTHORISATION BY GOVERNMENT CERTIFYING AGENCY

5.1 Application for Authorization

5.1.1 For obtaining the approval as per 4.2.1, the application shall be made to the Government Certifying Agency in the prescribed application Form 1.

5.1.2 The application shall be accompanied with the prescribed application fee as decided from time to time by the Government of India.

5.2 Before application for Authorization, the Collection and Dismantling Centre:

5.2.1 shall fulfill the minimum technical requirement for Collection and Dismantling centers specified in Annex A regarding storage, equipments and infrastructural facilities.

5.2.2 shall have competent manpower to carry out the depollution and dismantling activities.

- 5.2.3 shall have compliance mechanism to the applicable hazardous waste disposal regulations notified by Ministry of Environment and Forest (MoEF)/ Competent Authorities.

5.3 Acknowledgement, Scrutiny and processing of Application

- 5.3.1 On receipt of the application complete in all respects for the authorization, the Government Certifying Agency shall issue an acknowledgement along with the receipt to the applicant within 15 working days.
- 5.3.2 The preliminary scrutiny of the application shall be done by the Government Certifying Agency.

5.4 Audit of the Collection and Dismantling Centers

- 5.4.1 On completion of the preliminary scrutiny, the Government Certifying Agency coordinates with the auditors and the applicant for planning the audit schedule.
- 5.4.2 At least two auditors shall be appointed for carrying out the audit.
- 5.4.3 The applicant is informed about the final audit schedule and the information about audit team.
- 5.4.4 The Audit Team is informed well in advance about the schedule with a copy of the application form to the auditors.
- 5.4.5 The Audit Team shall review the capability of the Collection and Dismantling Centre for the requirements specified in the clause 4.2 and Annex A of this standard.
- 5.4.6 Once the audit is completed, the team shall submit the audit report to the Government Certifying Agency within 15 working days. The final audit report shall be jointly prepared and signed by the auditors and shall be countersigned by the representative of the applicant. The audit report shall give clear recommendation for the grant of authorization or otherwise with due justification and without any ambiguity.
- 5.4.7 Non conformance found during assessment shall be recorded by the auditors and are informed to the applicant. The applicant decides about the proposed corrective action with the definite time schedule but within a maximum period of 3 months.
- 5.4.8 Depending on the nature/severity of non-conformances, these are closed by the auditors on the submission of documentary evidence of corrective action, or sometime may need verification visit.
- 5.4.9 The final recommendation is placed before the MoRT&H for approval.
- 5.4.10 On grant of authorization, Government Certifying Agency Secretariat prepares an authorization certificate in Form 1A mentioning there in the date of issue and date of validity of Certificate.

5.5 Validity of Authorization and Surveillance Audits

- 5.5.1 The authorization certificate shall be valid for a period of 4 years.
- 5.5.2 The Government Certifying Agency shall conduct surveillance audit every 2 years and re-audit of the Collection and Dismantling center before the expiry of authorization. During the validity of authorization, the Collection and Dismantling center shall continuously comply with the requirements of this standard.
- 5.5.3 Surveillance is aimed at examining whether the Authorized Collection and Dismantling Centre is maintaining all the requirements as specified in this standard.
- 5.5.4 Government Certifying Agency shall inform the Authorized Collection and Dismantling center about the surveillance audit and the surveillance fee to be paid in advance, at least three months before the due date for surveillance visit. The Collection and Dismantling center shall confirm its readiness within 30 days.

5.6 Renewal of Authorization and Re-audit

- 5.6.1 The Collection and Dismantling Centre may apply for renewal of authorization by submitting an application in the prescribed Form 1 in two copies.
- 5.6.2 The application shall be accompanied with the prescribed renewal fee, as required. The Collection and Dismantling Centre may request for change in scope of authorization or category which should explicitly be mentioned in the application form.
- 5.6.3 The request for renewal must be submitted at least 6 months before the expiry of the validity of authorization. If the Collection and Dismantling center does not apply for renewal of authorization, 3 months before the expiry of validity of authorization, it shall be presumed that the Collection and Dismantling center is no longer interested in authorization and authorization status of the Collection and Dismantling center shall expire on the validity date mentioned in the Certificate. In such case, the Collection and Dismantling center shall have to apply afresh and the continuity of the Certificate stands cancelled.

However dismantler must ensure before expiry of the authorization that he/she has completed all the activity related to ELV as per the requirements of this standard and must take approval as per Form 5 from Government Certifying Agency for the same.

- 5.6.4 The procedure for processing of renewal application is similar to that of fresh application.
- 5.6.5 A new certificate of authorization is issued on renewal; however the Certificate number remains same.

5.7 Voluntary Withdrawal

- 5.7.1 The Authorized Collection and Dismantling center at any time during the validity of authorization may discontinue their authorization voluntarily by making a written request to Government Certifying Agency.

Before making such an application, he/she shall,

- (a) complete all the activities related to the ELV, he/she has received.
- (b) file annual returns as per 4.2.12 for the balance time period.
- (c) Must take approval as per Form 5 from Government Certifying Agency.

- 5.7.2 If the Collection and Dismantling center decides to regain the authorization status, after it has sought voluntary withdrawal, it will be treated as a fresh authorization, and has to pay all the fees for application and authorization and assessment expenses, as applicable at that time.

ANNEX-A

MINIMUM TECHNICAL REQUIREMENTS FOR COLLECTION AND DISMANTLING CENTRE

A.1 Sites for storage (including temporary storage) of End-of-Life Vehicles prior to their dismantling

The Collection and Dismantling Centers shall have:

- A.1.1 impermeable surfaces like concrete flooring, etc for appropriate areas (including areas where vehicles are stored prior to depollution as necessary) with the provision of spillage collection facilities, decanters and cleanser-degreasers.

A.2 Sites for dismantling

The Collection and Dismantling centers shall have:

- A.2.1 impermeable surfaces like concrete, etc for appropriate areas with the provision of spillage collection facilities, decanters and cleanser-degreasers,
- A.2.2 appropriate storage for dismantled spare parts, including impermeable storage for oil-contaminated spare parts,
- A.2.3 appropriate containers for storage of batteries (with electrolyte neutralization on site or elsewhere), and filters/ PCB/PCT-containing condensers (if applicable),
- A.2.4 appropriate storage tanks for the segregated storage of End-of-Life Vehicle fluids: fuel, motor oil, gearbox oil, transmission oil, hydraulic oil, cooling liquids, antifreeze, brake fluids, air-conditioning system fluids and any other fluid contained in the End-of-Life Vehicle,
- A.2.5 appropriate storage for used tyres, including the prevention of fire hazards and excessive stockpiling.

A.3 Dismantling operations for depollution of End-of-Life Vehicles:

The Collection and Dismantling centers shall possess the equipments and facilities required for:

- A.3.1 removal of batteries,
- A.3.2 removal of liquefied gas tanks,
- A.3.3 neutralization of potential explosive components, (e.g. air bags),
- A.3.4 removal and separate collection and storage of fuel, motor oil, transmission oil, gearbox oil, hydraulic oil, cooling liquids, antifreeze, brake fluids, air-conditioning system fluids and any other fluid contained in the end-of-life vehicle, unless they are necessary for the re-use of the parts concerned,

- A.3.5 removal, as far as feasible, of all components identified as containing heavy metals as identified in Annex A of AIS-129 : Part - 2 A.

A.4 Dismantling operations in order to promote recycling:

The Collection and Dismantling Centers shall possess the equipments and facilities required for:

- A.4.1 removal of catalysts, to facilitate further extraction of noble metals by recyclers.

- A.4.2 removal of metal components containing copper, aluminum and magnesium in such a way that they can be effectively recycled as materials, if the End-of-Life Vehicle is not going to be treated in a shredder.

- A.4.3 removal of tyres and large plastic components (bumpers, dashboard, fluid containers, etc) in such a way that they can be effectively recycled as materials.

Note: removal of large plastic components is recommended only if they can be dismantled and recycled in an economical and profitable manner.

- A.4.4 removal of glass in such a way that it can be effectively recycled as materials.

Note: removal of glass is recommended only if the glass can be dismantled and recycled in an economical and profitable manner.

- A.5 Storage operations shall be carried out to avoid damage to components containing fluids or to recoverable components and reusable parts.

A.6 Recommended Tools & Equipment for Pre-treatments (Draining and Dismantling):

Shredder/ Bailing press for compacting / any suitable device

AC gas Recovery unit

Vehicle Lift

Auto Shear machine for cutting catalytic converter

Air Bag Deployment unit

Filter wrench/ Oil Filter Removal Tool

Wheel Popper

Piercing equipment for damper oil

Suction equipment for fluid

Bleeding system for brake fluid

Dedicated fluid collection container

Hydraulic tube cutter

Pneumatic saw

Portable power tool

Draining Tray

Pry bar/Spanner/Ratchet/ Mallet

Screw driver/Slot screwdriver/ Impact screwdriver

Cutter/cutting pliers/ Special Plier

Center Punch & bag (for glass breakage & collection)

Windshield removal tool

Pneumatic air gun

Water supply

ANNEX-B

FORM – 1

(See clause 5.1)

**APPLICATION FOR OBTAINING AUTHORIZATION FOR
COLLECTION AND DISMANTLING OF END-OF-LIFE VEHICLE**

From:

To

The Government Certifying Agency

.....

.....

Sir,

I/We hereby apply for authorization/renewal of authorization under CMVR, Rules 1989 for collection and dismantling of End-of-Life Vehicle.

To be filled in by Applicant

1. (a) Name and full address, telephone nos. e-mail and other contact details of the unit :

(b) In case of renewal of authorization previous authorization no. and date

2. (a) Total capital invested on the project :

(b) Year of commencement:

(c) Date of grant of the Consent to Establish:

(d) Date of grant of the Consent to Operate:

(e) Mode of storage within the plant:

(f) Method of dismantling and disposal:

(g) Installed capacity of the plant:

3. Detailed proposal of the facility (to be attached) to include:

- (i) Location of site (provide map)
- (ii) Details of processing technology
- (iii) Quantity of waste to be processed per day
- (iv) Site clearance (from local authority, if any)
- (v) Method of disposal of residues (details to be given)
- (vi) Quantity of ELV to be processed or disposed per day
- (vii) Methodology and operational details
- (viii) Measures to be taken for prevention and control of environmental
pollution including dismantling of leachates.....
- (ix) Investment on Project and expected returns
- (x) Measures taken for safety of workers working in the plant.....

Place : _____ Signature _____

(Name _____)

Date : _____

Designation : _____

FORM 1(A)

(See clause 5.4.10)

**FORM FOR GRANTING AUTHORIZATION FOR
COLLECTION AND DISMANTLING OF END-OF-LIFE VEHICLE**

1. (a) Authorization No.....

(b) Date of issue

2.of.....is hereby granted an authorization for Collection and Dismantling of ELV and /or their components on the premises situated at.....

3. The Authorization shall be valid fromto

4. The Authorization is subject to the conditions stated below and the conditions as may be specified in the rules at the time of being in force under the CMVR, 1989

Signature-----

Designation ----- Date: -----

Terms and conditions of authorization

1. The authorized collection and dismantler shall comply with all the provisions laid down in this standard, even after grant of authorization.
2. The authorization or its renewal shall be produced for inspection at the request of an officer authorized by the Government Certifying Agency.
3. The authorized collection and dismantler shall not rent, lend, sell, or transfer the End-of-Life Vehicle to any person or any organization.
4. Any unauthorized change in personnel, equipment as working conditions as mentioned in the application by the Collection and Dismantling Centre shall constitute a breach of his authorization.
5. It shall be the duty of the Collection and Dismantling Centre to take prior permission of the Government Certifying Agency to close down the operations.

FORM-2

(See clause 4.2.11)

**FORM FOR FILING ANNUAL RETURNS OF
COLLECTION AND DISMANTLING OF END-OF-LIFE VEHICLE**

(To be submitted by Collection and Dismantling Centre before 31st March of every year for the preceding period April to March.)

1. Trade name & full address of the Collection and Dismantling Centre.....
2. Name of the authorized person and complete address with telephone and fax number and e-mail address.....
3. Total number of ELVs collected in the previous year.....
4. Total number of vehicles completed ELV activity in the previous year.....
5. Total number of De-registration applications made for the dismantled ELVs in the previous year.....
6. If there is difference between the S. No. 3 and 5, reason for the same to be specified.....

Place : _____ Signature _____

(Name _____)

Date : _____

Designation : _____

FORM 3

(See clause 4.1.4)

**FORM OF APPLICATION FOR SUBMITTING A VEHICLE
AS AN END OF LIFE VEHICLE AND REQUEST FOR
CERTIFICATE OF DESTRUCTION (CoD)**

To,
The Collection and Dismantling Centre,

I/We hereby submit my/our vehicle bearing following details as an “End-of-Life Vehicle”
to the Collection and Dismantling Centre for safe and environmental friendly disposal.
Requesting hereby for a Certificate of Destruction,

1. Full name
- Son /wife /daughter of
2. Age.
3. Permanent address.....
4. Temporary address
5. Body Style (Sedan/Estate/MUV/SUV).....
6. Chassis number (Affix pencil print/photograph)
7. Make and Model
8. Month and year of manufacture
9. Engine number
10. Vehicle Registration Number*

I/We, hereby declare
that all the particulars furnished by me / us in this form are true and correct; the subject
vehicle is not engaged in any kind of criminal activity and realize that a false declaration is
punishable.

Date:

Place:

.....

Signature or thumb impression of the last owner and/or holder.

Enclosures to be attached:

- 1) Original copy of Registration Certificate (*not applicable if the vehicle is not registered)
- 2) Address proof of the last owner and holder
- 3) Identity proof of the last owner and holder
- 4) Additional proof of ownership for unregistered vehicles by last owner and/or holder.

FORM 4
(See clause 4.2.3)
CERTIFICATE OF DESTRUCTION

Trade Name of the Collection and Dismantling Centre:

Authorization Number:

Validity of Authorization:

This is to certify that, ELV with the following details has been disposed of in an environmentally friendly manner as specified by ELV Regulation AIS-129.

1. Full name of last owner
Son /wife /daughter of
2. Permanent / Temporary address of the last owner
3. Telephone number.....
4. Make and Model
5. Body Style (Sedan/Estate/MUV/SUV).....
6. Chassis number of the vehicle (Affix pencil print)
7. Month and year of manufacture
8. Engine number
9. Vehicle registration number

I/We..... hereby declare that all the particulars furnished
by me in this form are true and correct; and realize that a false declaration is punishable.

Remarks (if any):

Place:

Date:

.....

Seal & Signature of the

Authorized Signatory of the Collection and Dismantling Centre

(Attach photographs of ELV. Front, side and rear view with bonnet, trunk and doors opened.)

FORM 5

(See clause 5.6 & 5.7)

**CERTIFICATE FOR COLLECTION AND DISMANTLING CENTRE IN
CASE VOLUNTARY WITHDRAWAL OR EXPIRY OF AUTHORISATION**

Trade Name of the Collection and Dismantling Centre:

Authorization Number:

Expiry / Voluntary withdrawal date of Authorization:

This is to certify that, Collection and Dismantling Centre has completed the ELV
activity as specified in this standard and all the particulars furnished by Collection
and Dismantling Centre has been verified and audited.

Place:

Date:

.....

Seal & Signature of the

Authorized Signatory of the Government Certifying Agency

End-of-Life Vehicles

PART-2 A

HEAVY METAL RESTRICTION, DISMANTLING INFORMATION

1.0 SCOPE

- 1.1 The requirements specified in this standard are applicable to vehicle categories of M1, L1 and L2, produced in India or imported to India for sale in India and type approved as per CMV Rule 126.
- 1.2 The requirements of this Part - 2A of the standard shall not apply to
- a) **‘Special Purpose Vehicles’** as defined in AIS-053, as amended from time to time.
 - b) **‘Small volume production models’** as defined in AIS-017, as amended from time to time.

2.0 DEFINITIONS

For the purpose of this standard definitions given in AIS-129: Part - 2 B shall be applicable to this Part - 2A of the standard also.

3.0 RESTRICTION OF HEAVY METALS

- 3.1 The vehicle manufacturers shall strive to ensure that the vehicles type approved after the mandated date shall not contain lead, mercury, cadmium or hexavalent chromium other than in cases listed in Annex A under the conditions specified therein.

The above requirements do not apply to the vehicles and their variants which are type approved before the above mentioned mandated date.

4.0 DISMANTLING INFORMATION TO BE SUPPLIED BY VEHICLE MANUFACTURERS

General specifications for Dismantling Information

- 4.1 The ‘Dismantling Information’ shall contain minimum details as specified in Annex B.
- 4.2 The vehicle manufacturer shall make available the “Dismantling Information” in the form of manuals or by means of electronic media (e.g. CD ROM, on-line services, etc.) to the authorised dismantling centres on request after six months from the launch of the model in India.

ANNEX-A

(See clause 3)

MATERIALS AND COMPONENTS EXEMPTED FROM CLAUSE 3

TABLE 1 – FOR M1 CATEGORY OF VEHICLES

| Sr. No. | Materials and components exempted from clause 3.1 | Scope and expiry date of exemption | To be remarked in the dismantling information |
|----------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------|-----------------------------------------------|
| Lead as alloying element | | | |
| 1 | Steel for machining purposes and galvanized steel (lead $\leq 0.35\%$) | ----- | ----- |
| 2a | Aluminum (lead $\leq 2\%$) | Vehicles type approved before dd.mm.yyyy (X + 3) | ----- |
| 2b | Aluminum (lead $\leq 0.4\%$) | ----- | ----- |
| 3 | Copper alloy (lead $\leq 4\%$) | ----- | ----- |
| 4a | Bearing shells and bushes | Vehicles type approved before dd.mm.yyyy (X + 5) | ----- |
| 4b | Bearing shells and bushes in engines (motor) and transmission (gear box) and air conditioner compressors | ----- | ----- |
| Lead and lead compounds in components | | | |
| 5 | Batteries | ----- | Yes |
| 6 | Vibration dampers | ----- | Yes |
| 7 | Vulcanizing agents and stabilizers for elastomers/metal parts in braking hose, fuel hose, ventilation hose and chassis as well as for elastomers in engine suspension (lead $\leq 0.5\%$) | Vehicles type approved before dd.mm.yyyy (X + 2) | ----- |
| 8 | Adhesives for elastomers in powertrain (lead $\leq 0.5\%$) | Vehicles type approved before dd.mm.yyyy (X + 3) | ----- |
| 9 | Solder in electronic circuit boards and other electric components | ----- | ----- |
| 10 | Valve seats | Vehicles type approved before dd.mm.yyyy (X + 2) | ----- |
| 11 | Electrical components which contain lead in a glass or ceramic matrix compound except glass in bulbs and glaze of spark plugs | ----- | ----- |

| Sr. No. | Materials and components exempted from clause 3.1 | Scope and expiry date of exemption | To be remarked in the dismantling information |
|----------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------|-----------------------------------------------|
| 12 | Pyrotechnic initiators | Vehicles type approved before dd.mm.yyyy (X + 3) | ----- |
| 13 | Lead-plated steel sheet for vehicle fuel tanks | Vehicles type approved before dd.mm.yyyy (X + 2) | ----- |
| 14 | Wheel balance weights | Vehicles type approved before dd.mm.yyyy (X + 3) | Yes |
| 15 | Carbon brushes for electric motors | Vehicles type approved before dd.mm.yyyy (X + 3) | ----- |
| 16 | Lead in Copper alloys in frictional materials of brake linings (lead \leq 0.5%) | ----- | ----- |
| 17 | Lead containing thermoelectric materials in automotive electrical applications to reduce CO ₂ emissions by recuperation of exhaust heat | ----- | ----- |
| Hexavalent chromium | | | |
| 18 | Corrosion preventive coatings | Vehicles type approved before dd.mm.yyyy (X + 3) | ----- |
| 19 | Corrosion-proof plating layers of bolts, nuts and fasteners for chassis assembling | Vehicles type approved before dd.mm.yyyy (X + 3) | ----- |
| 20 | As an anti-corrosion agent of the carbon steel cooling system in absorption refrigerators | ----- | Yes |
| Mercury | | | |
| 21 | Discharge lamps in headlamps | ----- | Yes |
| 22 | Fluorescent tubes for displays illumination | ----- | Yes |
| Cadmium | | | |
| 23 | Batteries for electric and hybrid vehicles | Vehicles type approved before dd.mm.yyyy (X + 5) | Yes |

| Sr. No. | Materials and components exempted from clause 3.1 | Scope and expiry date of exemption | To be remarked in the dismantling information |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------|--------------------------------------------------------|
| General Exemption | | | |
| 24 | A maximum concentration value up to 0.1% by weight and in homogeneous material, for lead, hexavalent chromium and mercury and up to 0.01% by weight in homogeneous material for cadmium shall be tolerated. An equipped electronic circuit board is considered as homogeneous material, if limits above are fulfilled. | ----- | ----- |
| Note: <ol style="list-style-type: none"> 1) Limit of concentration in brackets is expressed in mass fraction. 2) X = Date of implementation of the heavy metal restriction as mentioned in clause 3.1 | | | |

TABLE 2
FOR L1 AND L2 CATEGORY OF VEHICLES

| S. No. | Materials and components exempted from clause 3.1 | To be remarked in the dismantling information |
|---------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------|
| 1 | Lead as an alloying element | |
| 1.1 | Steel (including galvanised steel) containing up to 0.35 % lead by weight | ----- |
| 1.2 | Aluminium containing up to 0.4 % lead by weight | ----- |
| 1.3 | Aluminium (in wheel rims, engine parts) containing up to 4 % lead by weight | ----- |
| 1.4 | Copper alloy containing up to 4 % lead by weight | ----- |
| 1.5 | Bearing-shells and bushes | ----- |
| 2 | Lead and lead compounds in components | |
| 2.1 | Batteries | Yes |
| 2.2 | Vibration dampers | Yes |
| 2.3 | Bonding agents for elastomers containing up to 0.5% lead by weight | ----- |
| 2.4 | Stabilizer in protective paints | ----- |
| 2.5 | Solder in electronic circuit boards and other applications | ----- |
| 2.6 | Electrical components which contain lead in a glass or ceramic matrix compound except glass in bulbs and glaze of spark plugs | ----- |
| 2.7 | Lead-plated steel sheet for vehicle fuel tanks | ----- |
| 2.8 | Vulcanising agents and stabilizers for elastomers/metal parts in braking hose, fuel hose, ventilation hose and chassis as well as for elastomers in engine suspension (lead \leq 0.5%) | ----- |
| 2.9 | Wheel balance weights | Yes |
| 2.10 | Pyrotechnic initiators | ----- |
| 2.11 | Valve seats | ----- |
| 2.12 | Carbon brushes for electric motors | ----- |
| 2.13 | lead containing thermoelectric materials in automotive electrical applications to reduce CO2 emissions by recuperation of exhaust heat | ----- |

| | | |
|----------|------------------------------------------------------------------------------------|-------|
| 2.14 | Lead in copper alloy in frictional material of brake liners | ----- |
| 2.15 | 0.1 % by weight and per homogeneous material | ----- |
| 3 | Hexavalent chromium | |
| 3.1 | Corrosion preventative coating | ----- |
| 3.2 | Corrosion-proof plating layers of bolts, nuts and fasteners for chassis assembling | ----- |
| 3.3 | 0.1 % by weight and per homogeneous material | ----- |
| 4 | Mercury | |
| 4.1 | Bulbs and instrument panel displays | Yes |
| 4.2 | Discharge lamps for headlight applications | Yes |
| 4.3 | Fluorescent tubes used in instrument panel displays | Yes |
| 4.4 | 0.1 % by weight and per homogeneous material | ----- |
| 5 | Cadmium | ----- |
| 5.1 | 0.01 % by weight and per homogeneous material | ----- |
| 5.2 | Batteries for electric and hybrid vehicles | Yes |

ANNEX-B
GUIDELINES FOR DISMANTLING INFORMATION
 (See clause 4)

Section – 1, General Information:

- Vehicle Details (Variants, etc.)
- Specific Safety Precautions, if any
- Tools /Special tools details

Section – 2, Pre-treatment /Depollution:

- Batteries
- Pyrotechnic Components (Airbag, etc.)
- Fluid/ Draining (Fuel, oils, AC gas, etc.)
- Tyre
- Catalysts (Catalysts, DPF, etc.)
- Other controlled parts (e.g. Bulb containing Hg)

Section – 3, Dismantling:

Components, other than ferrous and non-ferrous metals (which can be easily removed from the vehicle prior to shredding like Plastic and Glass Components and if they can be dismantle and recycled in an economical profitable way).

Note: Component applicable to Section 2 and 3 should contain information as follows:

- Tool
- Removal Method
- Component Location

Section – 4, Other specific guidelines as applicable:

- Pyrotechnic Deployment Device and Method
- Hazardous component and handling
- LPG/CNG, components, sub-systems and systems removal and handling
- EV or HEV batteries removal and handling

Section – 5, only in case of L1 and L2 categories

- Components that can be reused and instruction thereof.

End-of-Life Vehicles

PART-2 B

TYPE APPROVAL OF VEHICLES WITH REGARD TO THEIR REUSABILITY, RECYCLABILITY AND RECOVERABILITY (RRR)

1.0 SCOPE

- 1.1 The requirements specified in this standard are applicable to vehicle categories of M1, L1 and L2, produced in India or imported to India for sale in India and type approved as per CMV Rule 126.
- 1.2 The requirements of this Part - 2B of the standard shall not apply to
- ‘Special Purpose Vehicles’** as defined in AIS-053, as amended from time to time.
 - ‘Small volume production models’** as defined in AIS-017, as amended from time to time.

2.0 REFERENCE

- IS 9211 : 2003 : Terms and definitions of road vehicles
- IS 2:1960 Rules for rounding off numerical values
- IS 11422:2011 Terms and definitions of weights of 2 wheeled motor vehicles
- ISO 1043 – 1: Symbols and abbreviated terms Part 1: Basic polymers and their special characteristics.
- ISO 1043 – 2: Symbols and abbreviated terms Part 2: Fillers and reinforcing materials
- ISO 11469: Generic identification and marking of plastic products.
- ISO 22628: Road vehicles - Recyclability and Recoverability — Calculation method

3.0 DEFINITIONS

3.1 Competent Agency

The competent agency shall be either:

- Testing agencies (see 3.15) or
- Agency complying with standard EN 45012: 1989 or ISO/IEC Guide 62: 1996 on the general criteria for certification bodies operating quality system certification as regards the management systems implemented by the manufacturer.

- 3.2 **Component Part** means any part or any assembly of parts which is included in a vehicle at the time of its production.

- 3.3 **Disposal** means any operation which does not lead to recycling, recovery or reuse and includes physical-chemical or biological treatment, incineration and deposition in secured landfill.
- 3.4 **End-of-life Vehicle (ELV) means:** a vehicle which at the discretion of its last owner is ready to be scrapped.
- 3.5 **Energy recovery** means the use of combustible waste as a means to generate energy through direct incineration with or without other waste but with recovery of the heat.
- 3.6 **Recoverability** means the potential for recovery of component parts or materials diverted from an end-of-life vehicle.
- 3.7 **Recoverability rate of a vehicle (Rcov)** means the percentage by mass of a vehicle, potentially able to be reused and recovered
- 3.8 **Recovery** means, reprocessing of the waste materials in a production process, for the original purpose or for other purposes including processing as a means of generating energy.
- 3.9 **Recyclability** means the potential for recycling of component parts or materials diverted from an end-of-life vehicle.
- 3.10 **Recyclability rate of a vehicle (Rcyc)** means the percentage by mass of a new vehicle, potentially able to be reused and recycled
- 3.11 **Recycling** means reprocessing of the waste materials in a production process, for the original purpose or for other purposes, excluding processing as a means of generating energy.
- 3.12 **Reference vehicle** means the version within a type of vehicle/vehicle family, which is identified by the vehicle manufacturer and test agency in mutual agreement that represents the most unfavourable in terms of reusability, recyclability and recoverability as explained in clause 8.
- 3.13 **Reusability** means the potential for reuse of component parts diverted from an end-of-life vehicle.
- 3.14 **Reuse** means any operation by which components of end-of-life vehicles are used for the same purpose for which they were conceived.
- 3.15 **Testing Agency** means the agency notified under the rule 126 of central motor vehicle rules, 1989.
- 3.16 **Treatment** means any activity after the end-of-life vehicle has been handed over to authorised collection and dismantling centre. This may include activities such as depollution, dismantling, shearing, shredding, recovery or preparation for disposal of the shredder wastes, and any other operation carried out for the recovery and / or disposal of the End-of-Life Vehicle and its components.

- 3.17 **Vehicle mass** means the kerb mass of the vehicle as defined in IS 9211-2003 or IS 11422, as applicable.
- 3.18 **Vehicle** means a motor vehicle of categories mentioned in the scope of this standard (clause 1.1).
- 3.19 **Proven Technology** means technology which has been successfully tested on a laboratory scale.

4.0 REQUIREMENTS

4.1 Manufacturer's Arrangements

- 4.1.1 The Competent Agency shall assess the manufacturer's arrangement as per Annex G.
- 4.1.2 After satisfactory completion of the assessment the Competent Agency shall issue a certificate of compliance as per Annex H.

4.2 Vehicle Requirements

- 4.2.1 Vehicles shall be so constructed as to be:
- 4.2.1.1 reusable and / or recyclable to a minimum of **80 %** by mass, and
- 4.2.1.2 reusable and / or recoverable to a minimum of **85 %** by mass
- 4.2.2 Vehicle manufacturer shall submit requisite calculations for the reference vehicle demonstrating compliance to clause 4.2.1.1 and clause 4.2.1.2 in Annex C for M1 category and in Annex K for L1 and L2 category.

The guidelines for preparing calculations are prescribed in Annex B for M1 category and in Annex J for L1 and L2 category.

5.0 APPLICATION FOR TYPE APPROVAL

- 5.1 The application for type approval of a vehicle type with regard to its reusability, recyclability and recoverability shall be submitted by the vehicle manufacturer or by his authorised representative to the testing agency.
- 5.2 Following shall be submitted to approving test agency for approval:
- 5.2.1 Necessary information as per Annex A and C for M1 category and as per Annex A and K for L1 and L2 category reference vehicle as detailed out in clause 8.0 below.
- 5.2.2 List of the dismantled component parts declared by the manufacturer with respect to the dismantling stage, and the process recommended for their treatment as per clause A.7.3 of Annex A for M1 category vehicles.
- 5.2.3 In case where such information is covered by intellectual property rights or constitute specific know-how of the manufacturer or his suppliers, the manufacturer or his supplier shall supply sufficient information to enable those calculations to be made properly.

6.0 TYPE APPROVAL

- 6.1 Based on the Assessment certificate (see 4.1.2) and demonstration of calculations for the reference vehicle as per Annex C for M1 category and as per Annex K for L1 and L2 category vehicles for compliance to clause 4.2, testing agency shall issue the type approval certificate.
- 6.2 The RRR calculations demonstrated on such a reference vehicle shall be deemed valid for all the vehicles amongst the family of vehicles to which the reference vehicle represents.
- 6.3 In the case vehicle models complying with corresponding EEC/ECE regulation, such models are deemed to comply with the requirements of this standard. Based on the EEC/ECE type approval certificate, the test agency shall issue type approval certificate for compliance to this standard.

7.0 CHANGES IN THE TECHNICAL SPECIFICATION OF ALREADY TYPE APPROVED VEHICLE

- 7.1 Every modification pertaining to the information declared in accordance with Annex A shall be intimated by the manufacturer to the testing agency.
- 7.2 If a type approved reference vehicle has RR rate of 85% or more and RRR rate of 90% or more then all its variants/ versions, and change in technical specifications are deemed to meet required standard without any further verification.
- 7.3 If the changes are in parameters not related to the provisions, no further action needs to be taken. If the changes are in parameters related to the provisions, the testing agency shall then consider, whether based on criteria for extension of approval as specified in Annex E, the model with the changed specifications still complies with provisions; or any RRR calculations need to be re-approved.

8.0 SELECTION OF REFERENCE VEHICLE FOR DEMONSTRATING RRR CALCULATIONS

- 8.1 M1 category vehicle possessing the following specification amongst the group of vehicles shall be considered to be the reference vehicle. The reference vehicle generally may not be available for sale, but it has to be buildable/ producible.
- i) lightest engine
 - ii) lightest manual gearbox
 - iii) smallest tires, no spare wheel
 - iv) no trailer coupling
 - v) standard drive (no all-wheel drive)
 - vi) shortest version of body work amongst hatchback, saloon and station wagon etc.
 - vii) leather trim

Reference vehicle for demonstration of RRR calculation may also be selected based on the parameters given in Annex E.

- 8.2 In the case of L1 and L2 categories of vehicles, the Reference vehicle for demonstration of RRR calculation shall be selected based on the parameters given in Annex E. The reference vehicle generally may not be available for sale, but it has to be buildable/ producible.

9.0 MATERIAL IDENTIFICATION MARKING ON PLASTIC COMPONENTS

- 9.1 Vehicle manufacturers shall use component and material coding standards referred below to facilitate the identification of those plastic components having weight more than 100 gms as per the following standards which are suitable for reuse and recovery.

1. ISO 1043 – 1: Symbols and abbreviated terms Part 1: Basic polymers and their special characteristics.
2. ISO 1043 – 2: Symbols and abbreviated terms Part 2: Fillers and reinforcing materials
3. ISO 11469: Generic identification and marking of plastic products.

ANNEX- A

(See clause 5 and 7)

TECHNICAL SPECIFICATIONS FOR TYPE APPROVAL OF VEHICLE WITH REGARDS TO THEIR REUSABILITY, RECYCLABILITY AND RECOVERABILITY

A.1 The following information, if applicable, shall be submitted including a list of contents.

Photographs, if any, shall show sufficient detail.

A.2 GENERAL

A.2.1 Make (trade name of manufacturer)

A.2.1.1 Type

A.2.1.2 Chassis

A.2.1.3 Commercial name (s) (if available)

A.2.1.4 Means of identification of type, if marked on the vehicle

A.2.1.5 Location of that marking

A.2.1.6 Category of vehicle

A.2.1.7 Name of manufacturer

A.2.1.8 Address(es) of manufacturer

A.2.2 General Construction Characteristics of the Vehicle

A.2.2.1 Photographs and / or drawings of a representative vehicle

A.2.2.2 Dimensional drawing of the whole vehicle

A.2.2.3 Number of axles and wheels

A.2.2.4 Number and position of axles with double wheels

A.2.2.5 Powered axles (number, position, interconnection)

A.2.2.6 Driving cab (Forward control or bonneted)

A.3 POWER PLANT

A.3.1 Manufacturer

A.3.2 Internal combustion engine

A.3.2.1 Specific Engine information

A.3.2.1.1 Working principle: positive ignition / compression ignition, four stroke / two stroke

A.3.2.1.2 Number and arrangement of cylinders

A.3.2.1.3 Engine capacity cm³

A.3.2.1.4 Weight (kg)

A.3.2.2 Fuel : Diesel / Petrol /LPG /NG / Ethanol

A.4 TRANSMISSION

A.4.1 Type (mechanical, hydraulic, electric etc)

A.4.2 Gearbox Type (Manual/Automatic/CVT)

A.4.3 Weight (kg)

A.4.4 Differential lock: yes / no/ optional

A.5 BODYWORK

A.5.1 Type of Body work

A.5.2 Door configuration and number of doors

A.6 SEATS

A.6.1 Number

A.7 REUSABILITY, RECYCLABILITY AND RECOVERABILITY

A.7.1 Version to which the reference vehicle belongs

A.7.2 Mass of the reference vehicle with bodywork or mass of the chassis with cab, without bodywork and / or coupling device if the manufacturer does not fit the bodywork and / or coupling devices (including liquids, tools, spare wheel if fitted) without driver.

A.7.3 Mass of materials of the reference vehicle

A.7.3.1 Mass of material taken into account at the pre-treatment step

A.7.3.2 Mass of material taken into account at the dismantling step

A.7.3.3 Mass of material taken into account at the non-metallic residue treatment step, considered as recyclable

A.7.3.4 Mass of material taken into account at the non-metallic residue treatment step, considered as energy recoverable

A.7.3.5 Materials breakdown

A.7.3.6 Total mass of materials, which are reusable and /or recyclable

A.7.3.7 Total mass of materials, which are reusable and / or recoverable

A.7.4 Rates

A.7.4.1 Recyclability rate R_{cyc} (%)

A.7.4.2 Recoverability rate R_{cov} (%)

**A.8 INFORMATION REQUIRED FOR CRITERIA FOR
EXTENSION OF APPROVAL**

- A.8.1 Engine weight decrease
- A.8.2 Gearbox weight decrease
- A.8.3 Decrease in tyre weight
- A.8.4 Spare wheel fitted or not
- A.8.5 Vehicle Type Sedan/ Station Wagon/ Hatchback
- A.8.6 Trailer coupling fitted or not
- A.8.7 With all-wheel drive (Permanent / Selectable)/ without all-wheel drive

ANNEX- B

(See clause 4.2.2)

RRR CALCULATION METHOD FOR M1 CATEGORY

B.1 This Annex specifies the method for calculating recyclability rate and the recoverability rate of a new vehicle, each expressed as percentage by mass (mass fraction in percent) of the vehicle, which can potentially be

- a) Recycled, reused or both (recyclability rate)
- b) Recovered, reused or both (recoverability rate)

B.2 CALCULATION METHOD

The calculation of the recyclability and recoverability rates is carried out through the following four steps on a new vehicle, for which component parts, materials or both can be taken into account at each step:

- a) Pre-treatment
- b) Dismantling
- c) Metal separation
- d) Non-metallic residue treatment

A partial mass, m_P , m_D or m_M is determined respectively at each of the first three steps, while the partial masses m_{Tr} and m_{Te} are determined at the final step. Annex C, D give data presentation and a schematic representation of the method.

B.3 MATERIAL BREAKDOWN

The materials breakdown of the vehicle is established by classifying all the materials composing the vehicle into the following seven categories:

- a) Metals;
- b) Polymers, excluding elastomers;
- c) Elastomers;
- d) Glass;
- e) Fluids;
- f) Modified Organic Natural Materials (MONM), such as leather, wood, cardboard and cotton fleece;
- g) Others (components, materials or both, for which a detailed material breakdown cannot be established such as compounds, electronics, electrical).

The total mass of each category can then be determined (see Annex C). This breakdown may be done at each step of the calculation for each partial mass mentioned in B.2 above.

B.4 DETERMINATION OF PARTIAL MASSES m_p , m_D , m_M , m_{Tr} and m_{Te} .

B.4.1 Pre-treatment – Determination of m_p

At this step, the following vehicle component parts, material or both shall be taken into account:

- All fluids;
- Batteries
- Oil filters
- Liquefied petroleum gas (LPG) tanks
- Compressed natural gas (CNG) tanks
- Tyres;
- Catalytic converters

Note: Fluids include fuel, engine oil, transmission / gearbox oil (including rear differential or transfer box or both), power steering oil, coolant, brake fluid, shock absorber fluid, air conditioning refrigerant, windscreen washer fluid, engine mounting oil and hydraulic suspension fluid.

For the purpose of the calculation, these component parts and materials are considered reusable or recyclable.

Determine the mass m_p , as the sum of the masses of these component parts and materials.

B.4.2 Dismantling – Determination of m_D

At this step, certain other of the vehicle's reusable or recyclable component parts may be taken into account by the manufacturer, based on the following.

- a) As a general requirement, a component part shall be considered as reusable, recyclable or both, based on its dismantability, assessed by:
 - Accessibility
 - Fastening technology and
 - Corresponding proven technologies for dismantling.
- b) As a specific requirement, a component part shall be considered as recyclable, based on :
 - Its material composition and
 - corresponding proven technologies for recycling

In order to be recyclable, a component part or material shall be linked to a corresponding proven technology for recycling. An additional requirement is that the reusability of a component part shall be subject to consideration of safety and environmental hazards.

Determine the mass m_D as the sum of the masses of all parts considered accordingly as reusable or recyclable.

B.4.3 Metals separation – Determination of m_M

At this step, all metals ferrous and non ferrous which have not already been accounted for in the previous steps shall be taken into account. Both ferrous and non-ferrous metals are considered as recyclable.

- Determine the mass m_M as the mass of the metal remaining in the vehicle after the previous steps.

B.4.4 Non-metallic residue treatment – Determination of m_{Tr} and m_{Te} .

The remaining other materials (i.e. materials not taken into account at the pre-treatment, dismantling and metals separation steps) constitute the non-metallic residue. At this step, the residual non-metallic recyclable materials or both these materials and the residual non-metallic recoverable materials may be taken into account.

- Determine m_{Tr} as the sum of masses of non-metallic residue considered as recyclable on the basis of proven recycling technologies (see Annex C Table C.1).
- Determine m_{Te} as the sum of the remaining masses that can be potentially be used for energy recovery after determination of m_p , m_D , m_M and m_{Tr} .

Note: Technologies for energy recovery of polymers and elastomers are industrialized on a large scale world-wide. Therefore polymers, elastomers and other modified organic natural materials can potentially be recovered through those technologies.

B.5 CALCULATION FOR RECYCLABILITY / RECOVERABILITY RATE

B.5.1 Recyclability rate

Calculate the recyclability rate R_{cyc} of the vehicle as a percentage by mass (mass fraction in percent) using the formula,

$$R_{cyc} = (m_p + m_D + m_M + m_{Tr}) \times 100 / m_V$$

B.5.2 Recoverability rate

Calculate the recoverability rate, R_{cov} , of the vehicle as a percentage by mass (mass fraction in percent), using the formula:

$$R_{cov} = (m_p + m_D + m_M + m_{Tr} + m_{Te}) \times 100 / m_V$$

ANNEX-C

DATA PRESENTATION

The data for the calculation shall be reported using the following table, either on paper or in electronic form (the materials breakdown section is optional)

Table C.1- Presentation of Data for M1 category vehicles

| | | | | | | | | |
|--------------------------------------------------------------------------|--------------------------------------------------|--------------------------------------------------------------------|------------------------------|-----------------------------------------|--------------------------|-----------------------------------------------------------------|-----------|--|
| Brand Name | | | | | Vehicle Mass (kg), m_v | | | |
| Model (type /variant) | | | | | | | | |
| Material Breakdown (mass in kg) | Metals | Polymers (excluding elastomers) | Elastomers | Glass | Fluids | M.O.N.M | Others | |
| | | | | | | | | |
| | | | | | | | | |
| Pretreatment (m_p) | | | | | Mass (kg) | | | |
| | Fluids | | | | m_{p1} | | | |
| | Battery | | | | m_{p2} | | | |
| | Oil filters | | | | m_{p3} | | | |
| | L.P.G. Tanks | | | | m_{p4} | | | |
| | C.N.G. Tanks | | | | m_{p5} | | | |
| | Tyres | | | | m_{p6} | | | |
| | Catalytic converters | | | | m_{p7} | | | |
| | | | | m_p total (sum m_{p1} to m_{p7}) | | | | |
| | | | | | | | | |
| Dismantling (m_D) | | | | | | | | |
| Sr. no. | Part name | Mass (kg) | Sr. no. | Part name | Mass (kg) | Mass (sr no. 11 to x) (kg) | | |
| 1 | | | 6 | | | m_{px} total (sum 11 to x) | | |
| 2 | | | 7 | | | Please add separate list for sr. no. 11 to x | | |
| 3 | | | 8 | | | | | |
| 4 | | | 9 | | | | | |
| 5 | | | 10 | | | | | |
| m_{D1} total (sum 1 to 5) | | | m_{D2} total (sum 6 to 10) | | | m_D total (m_{D1} total + m_{D2} total + m_{Dx} total) | | |
| | | | | | | | | |
| Metal Separation (m_M) | | Remaining metal content of the vehicle | | | | Mass (kg) | | |
| | | | | | | m_M total | | |
| | | | | | | | | |
| Non-metallic residue treatment (m_{Tr} and m_{Te}) | m_{Tr} = recyclable material | | | | | | Mass (kg) | |
| | Technology no. | | Name | | | | | |
| | 1 | | | | m_{Tr1} | | | |
| | 2 | | | | m_{Tr2} | | | |
| | 3 | | | | m_{Tr3} | | | |
| | 4 to x | | | | m_{Tr4-x} | | | |
| | Please add separate list for technologies 4 to x | | | | | m_{Tr} total (sum m_{Tr} to m_{Trx}) | | |
| | m_{Te} = energy recoverable materials | | | | | Mass (kg) | | |
| Remaining quantity of organic materials (polymers, elastomers, MONM etc) | | | | | m_{Te} | | | |
| | | | | | | | | |
| Recyclability rate | | $R_{cyc} (\%) = ((m_p + m_D + m_M + m_{Tr}) / m_v) * 100$ | | | | | | |
| Recoverability rate | | $R_{cov} (\%) = ((m_p + m_D + m_M + m_{Tr} + m_{Te}) / m_v) * 100$ | | | | | | |

NOTE:

Final results, in percentage shall be an integer (whole number). For the purpose of rounding off IS 2:1960 'Rules for rounding off numerical values' as amended from time to time, shall be used.

ANNEX-D
(For reference)

CALCULATION METHOD

Below table shows the schematic representation of calculation for M1 category vehicles

| Calculation steps (sub clause) | Vehicle elements | | Assumptions | Mass of vehicle elements ^a kg | | |
|----------------------------------------------------|----------------------------|---------------------------------------------------------------------------------------------------|----------------------------------------------|------------------------------------------------------------|--------------------|-------------------|
| | General character | List | | Reusable or Recyclable | Energy recoverable | Undefined residue |
| 1 Pre-treatment (5.3.1) | Component parts and fluids | All fluids Batteries Oil filters LPG tanks CNG tanks Tyres Catalytic converters | Reusable recyclable or both | m _P | | |
| 2 Dismantling (5.3.2) | Component parts | As declared by vehicle manufacture | Reusable recyclable or both | m _D | | |
| 3 Metal separation (5.3.3) | Materials | Metals (ferrous and non-ferrous) | Recyclable | m _M | | |
| 4 Non-metallic residue treatment (5.3.4) | Materials | Glass | Recyclable | m _{Tr} | | |
| | | Polymers (excluding elastomers) | Recyclable, recoverable or both _a | | m _{Te} | |
| | | Elastomers | Recyclable, recoverable or both _a | | | |
| | | MONM | Recyclable, recoverable or both _a | | | |
| | | Others | a | | | |
| | | Recyclability rate, R _{cyc} (%) = | | Vehicle mass, m _v | | |
| | | | | $\frac{m_{P+} + m_{D+} + m_{M+} + m_{Tr}}{m_v} \times 100$ | | |
| | | Recyclability rate, R _{cov} (%) = | | $\frac{m_{P+} + m_{D+} + m_{M+} + m_{Tr}}{m_v} \times 100$ | | |

^a In step 4, the apportionment among the three treatment possibilities is as declared by the vehicle manufacturer.

ANNEX-E
CRITERIA FOR EXTENSION OF APPROVAL
(See Clause 7)

- E.1** Tables E1 and E2 list respectively for M1 category and L1, L2 category vehicles the verifications to be carried out in case of changes in the parameters declared at the time of submitting for the earlier type approval.
- E.2** Changes other than those listed in the table are considered to have no adverse effect on the Recyclability, Reusability and Recoverability rates of the vehicle

| Table E-1 Verifications may be carried out in case of changes in the parameters for M1 category vehicles | | |
|---------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------|
| | Change in Parameter | Verification to be done |
| 1. | Engine weight decrease by more than 10% | RRR calculation |
| 2. | Gearbox weight decrease by more than 10% | RRR calculation |
| 3. | Decrease in tyre weight by more than 10% | RRR calculation |
| 4. | Deletion of spare wheel | RRR calculation |
| 5. | Reserved | - |
| 6. | Deletion of trailer coupling | RRR calculation |
| 7. | Drive change from all wheel drive (Permanent / Selectable) to two wheel drive | RRR calculation |
| 8 | Additional fitment of component with non recyclable/ non re-usable/ non-recoverable component having weight more than 1% of vehicle unladen weight. | RRR calculation |
| 9. | Addition of model/ variant | RRR calculation if affected by parameters 1 to 7 above. |
| 10. | Change in existing arrangements (clause 4.1) | Manufacturer assessment as per clause 4.1. |
| 11. | Addition of new plants | Manufacturer assessment as per clause 4.1, if the arrangements are different. |

| Table E-2 Verifications to be carried out in case of changes in the parameters for L1 and L2 category vehicles | | |
|---------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------|
| | Change in Parameter | Verification to be done |
| 1. | Engine and gearbox weight decrease by more than 10% | RRR calculation |
| 2. | Decrease in tyre weight by more than 10% | RRR calculation |
| 3. | Deletion of spare wheel | RRR calculation |
| 4 | Additional fitment of component with non recyclable/ non re-usable/ non-recoverable component having weight more than 1% of vehicle unladen weight. | RRR calculation |
| 5. | Addition of model/ variant | RRR calculation if affected by parameters 1 to 3 above. |
| 6. | Change in existing arrangements (4.1) | Manufacturer's assessment as per clause 4.1. |
| 7. | Addition of new plants | Manufacturer's assessment as per clause 4.1, if the arrangements are different. |

ANNEX-F

COMPONENT PARTS DEEMED TO BE NON-REUSABLE

F.1 Introduction

This Annex addresses the component parts of vehicles belonging to category M1 which must not be reused in the construction of new vehicles.

F.2 List of component parts:

- All airbags⁽¹⁾ including cushions, pyrotechnic actuators, electronic control units and sensors
- Automatic or non-automatic seat belt assemblies, including webbings, buckles, retractors, pyrotechnic actuators
- Seats (only in case where safety belt anchorage and / or airbags are incorporated in the seat)
- Steering lock assemblies acting on the steering column
- Immobilisers, including transponders and electronic control units
- Emission after-treatment systems (e.g. catalytic converters, particulate filters)
- Exhaust silencers

(1) When the airbag is inserted inside the steering wheel, the steering wheel itself.

ANNEX-G

ASSESSMENT OF THE MANUFACTURER

(See clause 4.1)

Assessment requirements

- G.1.1** The manufacturer shall have arrangements and procedures (QMS) for the following:
- (a) collect appropriate data through the full chain of supply, in particular the nature and the mass of all materials used in the construction of the vehicles, in order to perform the calculations required under this standard;
 - (b) keep at his disposal all the other appropriate vehicle data required by the calculation process such as the volume of the fluids, etc.;
 - (c) check adequately the information received from suppliers;
 - (d) manage the breakdown of the materials;
 - (e) be able to perform the calculation of the recyclability and recoverability rates in accordance with AIS-129 Part - 2 B.
 - (f) mark the component parts made of plastic in accordance clause 9 of AIS-129 Part - 2 B.
 - (g) verify that no component part listed in Annex F of this standard is reused in the construction of new vehicles.
 - (h) demonstrate through arrangements with his suppliers, compliance with clause 3 of AIS-129 Part - 2 A.
 - (j) shall establish procedures for the following:
 - (i) to communicate the applicable requirements to his relevant suppliers;
 - (ii) to monitor and ensure that suppliers act in accordance with those requirements;
 - (iii) to collect the relevant data through the full supply chain;
 - (iv) to check and verify the information received from suppliers;
 - (v) to react adequately where the data received from the suppliers indicate noncompliance with the requirements of clause 3 of AIS-129 Part - 2 A.
- G.1.2** For the purposes of paragraph G.1.1 above the vehicle manufacturer may use, ISO 9000/TS16949/ ISO14000 or other standardized quality assurance programme.

- G.1.3** The competent body shall verify adequacy of the quality management system and the steps taken in implementation.
- G.1.4** The manufacturer shall provide the competent body with all relevant information, in documentary form. In particular, recycling and recovery of materials shall be properly documented.
- G.2.0** The assessment carried out in one plant shall to be applicable to all the plants of the manufacturers if the arrangements and procedures (QMS) are same.

ANNEX-H
CERTIFICATE OF COMPLIANCE
(See clause 4)

No [..... Reference number]

[..... the competent body]

Certifies that

(Manufacturer):

.....

(Address of the manufacturer):

.....

.....

.....

complies with the requirements of AIS-129 :Part -2 B.

Checks have been performed on:

by (name and address of the competent body):

Number of report:

Done at [.....Place]

On [.....Date]

[.....Signature]

Attachments: Description of the strategy recommended by the manufacturer in the area of reuse, recycling and recovery.

ANNEX – J
RRR CALCULATION METHOD FOR L1 and L2 CATEGORY
(See clause 4.2)

J.1 This Annex specifies the method for calculating recyclability rate and the recoverability rate of a new vehicle, each expressed as percentage by mass (mass fraction in percent) of the vehicle, which can potentially be

- a) Recycled, reused or both (recyclability rate)
- b) Recovered, reused or both (recoverability rate)

J.2 CALCULATION METHOD

The calculation of the recyclability and recoverability rates is carried out using the weight of the following constituents of the vehicle

J.2.1 All fluids;

Note: Fluids include fuel, engine oil, transmission / gearbox oil (including rear differential or transfer box or both), power steering oil, coolant, brake fluid, shock absorber fluid, air conditioning refrigerant, windscreen washer fluid, engine mounting oil and hydraulic suspension fluid.

For the purpose of the calculation, these component parts and materials are considered reusable or recyclable.

J.2.2 Batteries

J.2.3 Oil filters

J.2.4 Liquefied petroleum gas (LPG) tanks

J.2.5 Compressed natural gas (CNG) tanks

J.2.6 Tyres and tubes

J.2.7 Catalytic converters

J.2.8 ferrous metals

J.2.9 non-ferrous metals

Note: Both ferrous and non-ferrous metals are considered as recyclable.

J.2.10 non-metallic recyclable materials

J.2.11 Reusable parts

J.2.12 non-metallic recoverable

Note: Technologies for energy recovery of polymers and elastomers are industrialized on a large scale world-wide. Therefore polymers, elastomers and other modified organic natural materials can potentially be recovered through those technologies.

J.3 MATERIAL BREAKDOWN

Details as per B-3 of Annex B.

Method of Determination of masses are detailed in Table K-1.

J.4 CALCULATION FOR RECYCLABILITY / RECOVERABILITY RATE

J.4.1 Recyclability rate

Calculate the recyclability rate R_{cyc} of the vehicle as a percentage by mass (mass fraction in percent) using the formula,

$$R_{cyc} = (\text{Total mass of items listed in J-2.1 to J-2.11}) \times 100 / m_v$$

J.4.2 Recoverability rate

Calculate the recoverability rate, R_{cov} , of the vehicle as a percentage by mass (mass fraction in percent), using the formula:

$$R_{cov} = (\text{J-2.1 to J-2.12}) \times 100 / m_v$$

ANNEX-K

The data for the calculation shall be reported using the following table, either on paper or in electronic form (the materials breakdown section is optional)

Table K.1- Presentation of Data for L1 and L2 category vehicles

| | | | | | | | |
|--------------------------------------------------------------------------|--------------------------------------------------|-----------------------------------------------------------------|------------|------------------------------|-----------|----------------------------------------------|--------|
| Brand Name | | | | Vehicle Mass (kg), m_v | | | |
| Model (type /variant) | | | | | | | |
| Material Breakdown (mass in kg) | Metals | Polymers (excluding elastomers) | Elastomers | Glass | Fluids | M.O.N.M | Others |
| | | | | | | | |
| Sr. No | Item | | | | | Mass (kg) | |
| 1 | Fluids | | | M_{x1} | | | |
| 2 | Battery | | | M_{x2} | | | |
| 3 | Oil filters | | | M_{x3} | | | |
| 4 | Tyres | | | M_{x4} | | | |
| 5 | Catalytic Converters | | | M_{x5} | | | |
| | | | | Total mass (m_x) | | | |
| Metallic parts | | | | | | | |
| Sr. no. | Part name | Mass (kg) | Sr. no. | Part name | Mass (kg) | Mass (sr no. 17 to x) (kg) | |
| 1 | | | 9 | | | M_{yx} total (sum 11 to x) | |
| 2 | | | 10 | | | Please add separate list for sr. no. 17 to x | |
| 3 | | | 11 | | | | |
| 4 | | | 12 | | | | |
| 5 | | | 13 | | | | |
| 6 | | | 14 | | | | |
| 7 | | | 15 | | | | |
| 8 | | | 16 | | | | |
| | | | | m_{yx} total (sum 1 to 16) | | | |
| Residue | M_{Tr} = recyclable material | | | | | Mass (kg) | |
| | Technology no. | Name | | | | | |
| | 1 | | | m_{Tr1} | | | |
| | 2 | | | m_{Tr2} | | | |
| | 3 | | | m_{Tr3} | | | |
| | 4 to x | | | m_{Tr4-x} | | | |
| | Please add separate list for technologies 4 to x | | | | | m_{Tr} total (sum m_{Tr} to m_{Trx}) | |
| | m_{Te} = energy recoverable materials | | | | | Mass (kg) | |
| Remaining quantity of organic materials (polymers, elastomers, MONM etc) | | | | | m_{Te} | | |
| Recyclability rate | | $R_{cyc} (\%) = ((m_x + m_{yx} + m_{Tr}) / m_v) * 100$ | | | | | |
| Recoverability rate | | $R_{cov} (\%) = ((m_x + m_{yx} + m_{Tr} + m_{Te}) / m_v) * 100$ | | | | | |

Note: Final results, in percentage shall be an integer (whole number). For the purpose of rounding off IS 2:1960 'Rules for rounding off numerical values' as amended from time to time, shall be used.

ANNEX-L

(See Introduction)

COMMITTEE COMPOSITION ***Automotive Industry Standards Committee**

| | |
|-------------------------------------------|----------------------------------------------------------------------------------------------------------------|
| Chairperson | |
| Mrs. Rashmi Urdhwareshe | Director The Automotive Research Association of India, Pune |
| Members | Representing |
| Representative from | Ministry of Road Transport and Highways (Dept. of Road Transport and Highways), New Delhi |
| Representative from | Ministry of Heavy Industries and Public Enterprises (Department of Heavy Industry), New Delhi |
| Shri S. M. Ahuja | Office of the Development Commissioner, MSME, Ministry of Micro, Small and Medium Enterprises, New Delhi |
| Shri Shrikant R. Marathe | Former Chairman, AISC |
| Shri N. K. Sharma | Bureau of Indian Standards, New Delhi |
| Director/ Shri D. P. Saste (Alternate) | Central Institute of Road Transport, Pune |
| Director | Indian Institute of Petroleum, Dehra Dun |
| Director | Vehicles Research and Development Establishment, Ahmednagar |
| Representatives from | Society of Indian Automobile Manufacturers |
| Shri T. C. Gopalan | Tractor Manufacturers Association, New Delhi |
| Shri Uday Harite | Automotive Components Manufacturers Association of India, New Delhi |

Member Secretary

Mr. A. S. Bhale

General Manager

The Automotive Research Association of India, Pune

* At the time of approval of this Automotive Industry Standard (AIS)